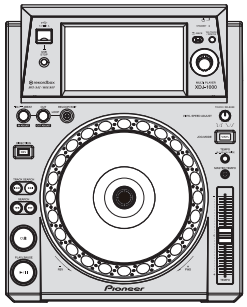
Pioneer

Service Manual



XDJ-1000

ORDER NO.
RRV4582

MULTI PLAYER

XDJ-1000

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
XDJ-1000	SYXJ8	AC 110 V to 240 V	
XDJ-1000	UXJCB	AC 110 V to 240 V	
XDJ-1000	FLXJ	AC 110 V to 240 V	
XDJ-1000	AXJ5	AC 110 V to 240 V	

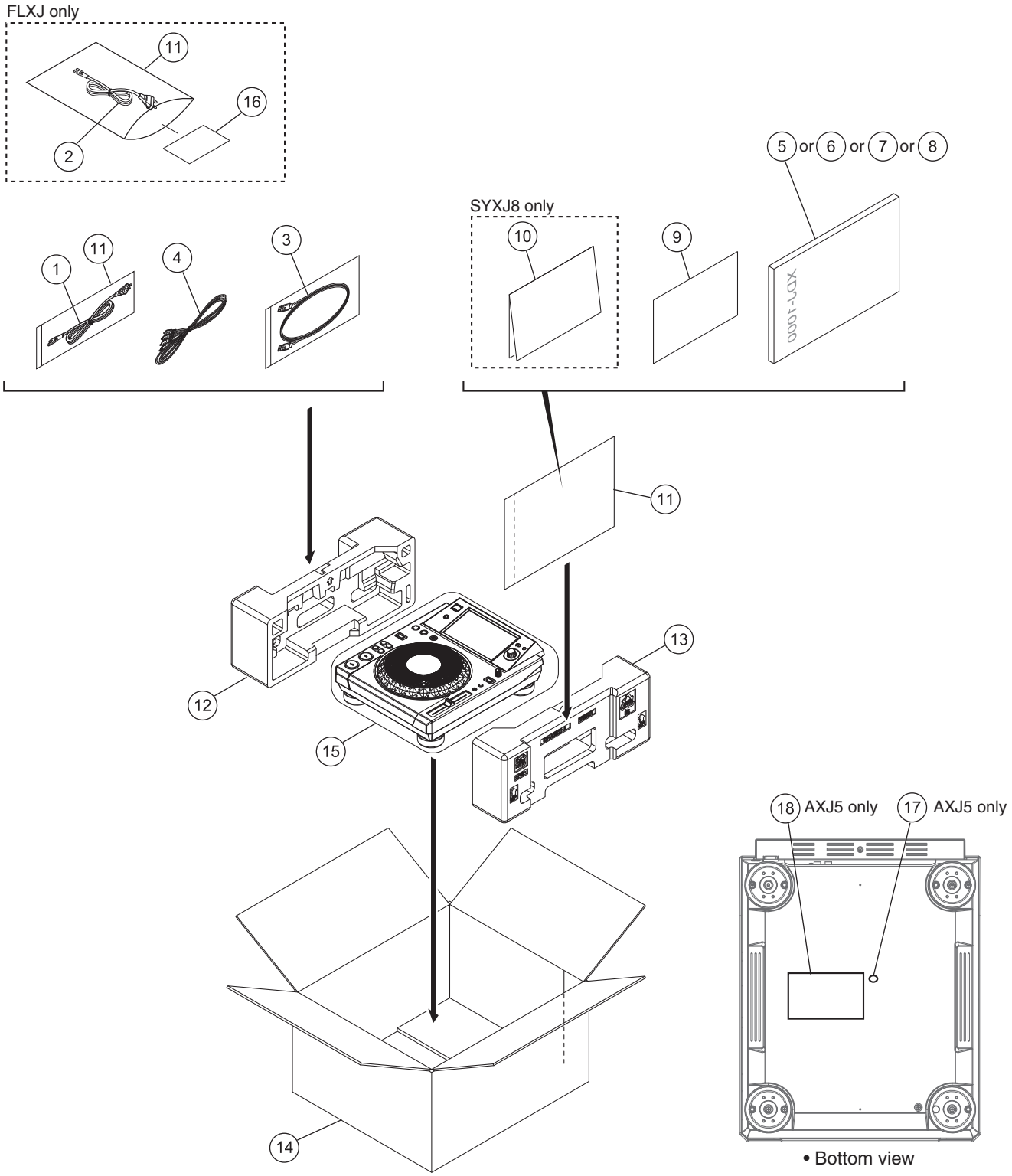
PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
ⓒPIONEER CORPORATION 2014

K-MZV DEC. 2014 Printed in Japan

9. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

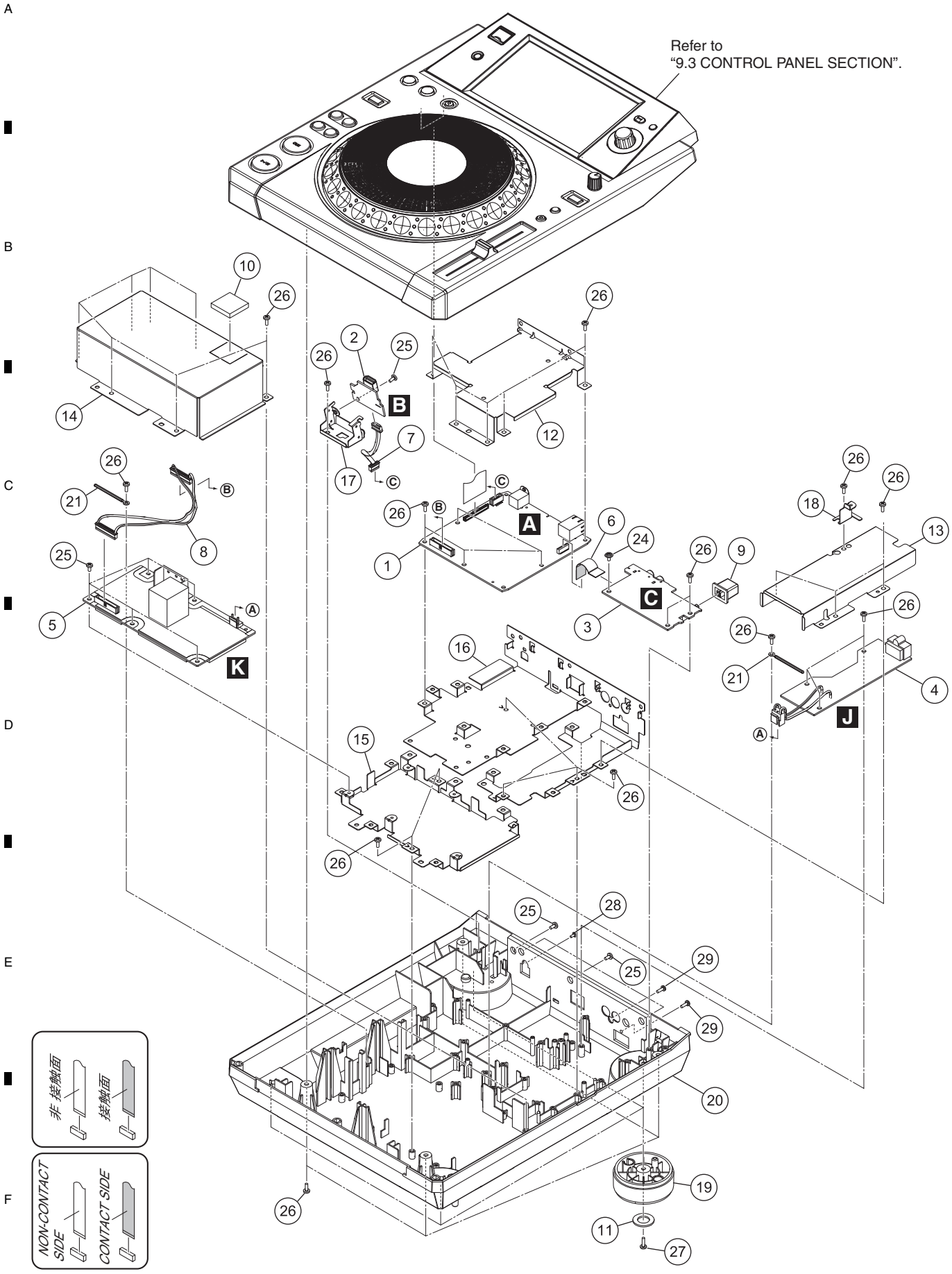
Mark	No.	Description	Part No.
⚠	1	Power cord	See Contrast table (2)
⚠	2	Power cord	See Contrast table (2)
	3	LAN cable	DDE1141
	5	Audio cable	XDE3045
	5	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	6	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	7	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	8	Operating Instructions (Quick Start Guide)	See Contrast table (2)
NSP	9	Leaflet	See Contrast table (2)
NSP	10	Warranty	See Contrast table (2)
NSP	11	Polyethylene Bag	AHG7117
	12	Pad/L	DHA1920
	13	Pad/R	DHA1921
	14	Packing Case	See Contrast table (2)
	15	Packing Sheet	RHC1023
	16	Caution Card SB	See Contrast table (2)
NSP	17	CCC S Label	See Contrast table (2)
NSP	18	Name Label	See Contrast table (2)

(2) CONTRAST TABLE

XDJ-1000/SYXJ8, UXJCB, FLXJ and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	XDJ-1000 /SYXJ8	XDJ-1000 /UXJCB	XDJ-1000 /FLXJ	XDJ-1000 /AXJ5
⚠	1	Power cord	ADG1154	ADG7022	ADG1154	ADG7079
⚠	2	Power cord	Not used	Not used	ADG7097	Not used
	5	Operating Instructions (Quick Start Guide) (En, Fr, De, It, NI, Es, Pt, Ru)	DRH1278	Not used	Not used	Not used
	6	Operating Instructions (Quick Start Guide) (En)	Not used	DRH1277	Not used	Not used
	7	Operating Instructions (Quick Start Guide) (En, Es, Zhtw)	Not used	Not used	DRH1279	Not used
	8	Operating Instructions (Quick Start Guide) (Zhcn)	Not used	Not used	Not used	DRH1280
NSP	9	Leaflet	DRH1275	DRH1275	DRH1275	DRH1274
NSP	10	Warranty	ARY7158	Not used	Not used	Not used
	14	Packing Case	DHG3378	DHG3377	DHG3379	DHG3381
	16	Caution Card SB	Not used	Not used	ARM7064	Not used
NSP	17	CCC S Label	Not used	Not used	Not used	DRW2310
NSP	18	Name Label	Not used	Not used	Not used	DAL1271

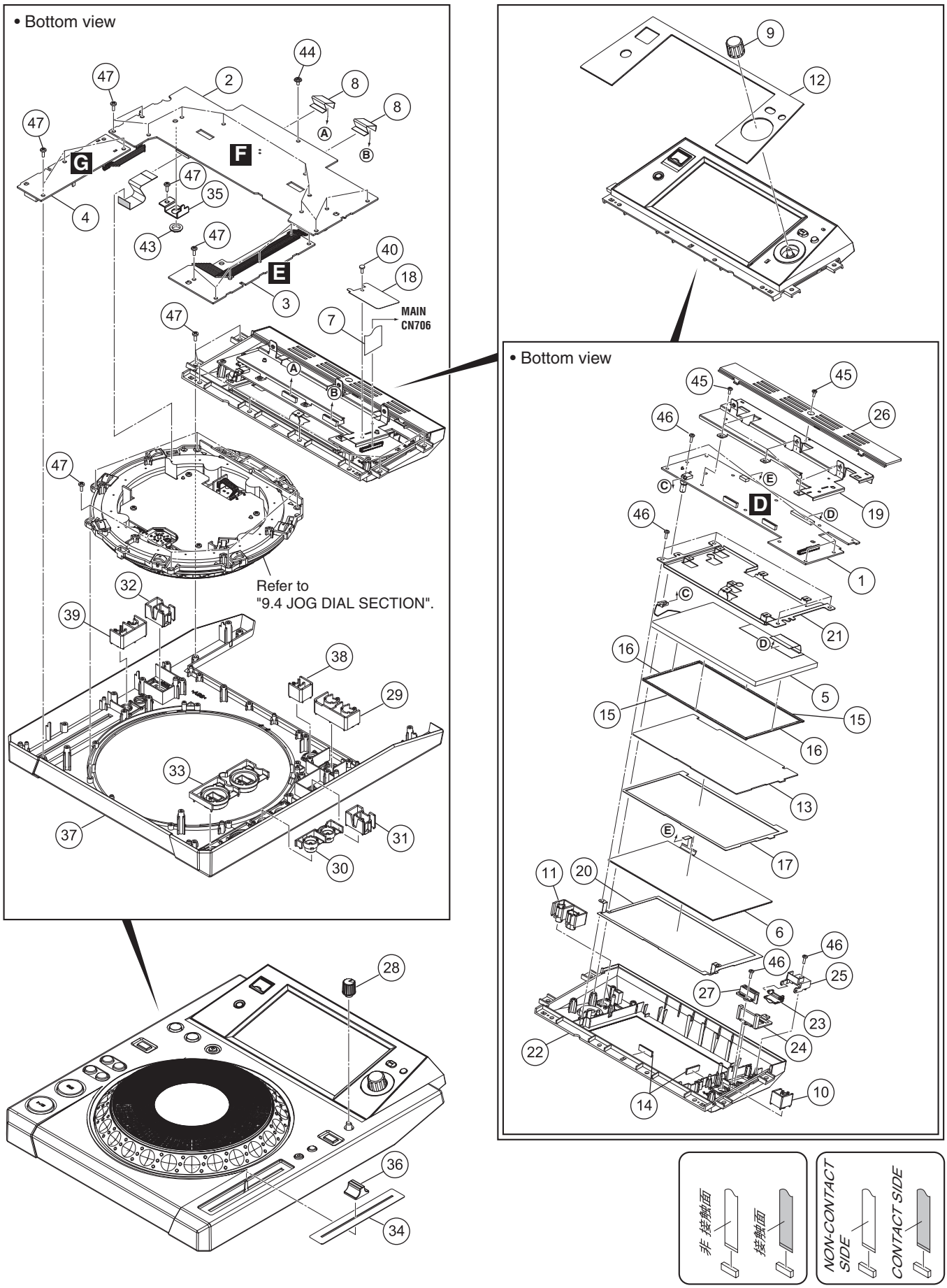
9.2 EXTERIOR SECTION



EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Assy	DWX3600
	2	USBA Assy	DWX3607
	3	JKSW Assy	DWX3612
	4	ACIN Assy	DWX3609
⚠	5	SW POWER SUPPLY	DWR1545
	6	FFC	DDD1677
	7	Shielded Conn-Cable	DDA1049
	8	Crimp Connector	PF13PP-S20
	9	Power Knob	DAC2306
	10	Cushion/PNL	DEC3535
	11	Leg	DEC3564
	12	Shield Case/MIN	DNH3170
	13	Shield Case/ACI	DNH3171
	14	Shield Case/PSA	DNH3175
	15	Stay/PSA	DNH3176
	16	Stay/PCB	DNH3177
	17	Stay/USB	DNH3178
	18	Plate/JCK	DNH3193
	19	Insulator	DNK6394
⚠	20	Chassis	DNK6378
	21	Cord Clamper (Steel)	RNH-184
	22	•••••	
	23	•••••	
	24	Screw	ABZ30P060FTC
	25	Screw	BBZ30P060FTB
	26	Screw	BPZ30P080FNI
	27	Screw	BPZ30P100FTC
	28	Screw (M3*5)	DBA1340
	29	Screw	PPZ30P080FTB

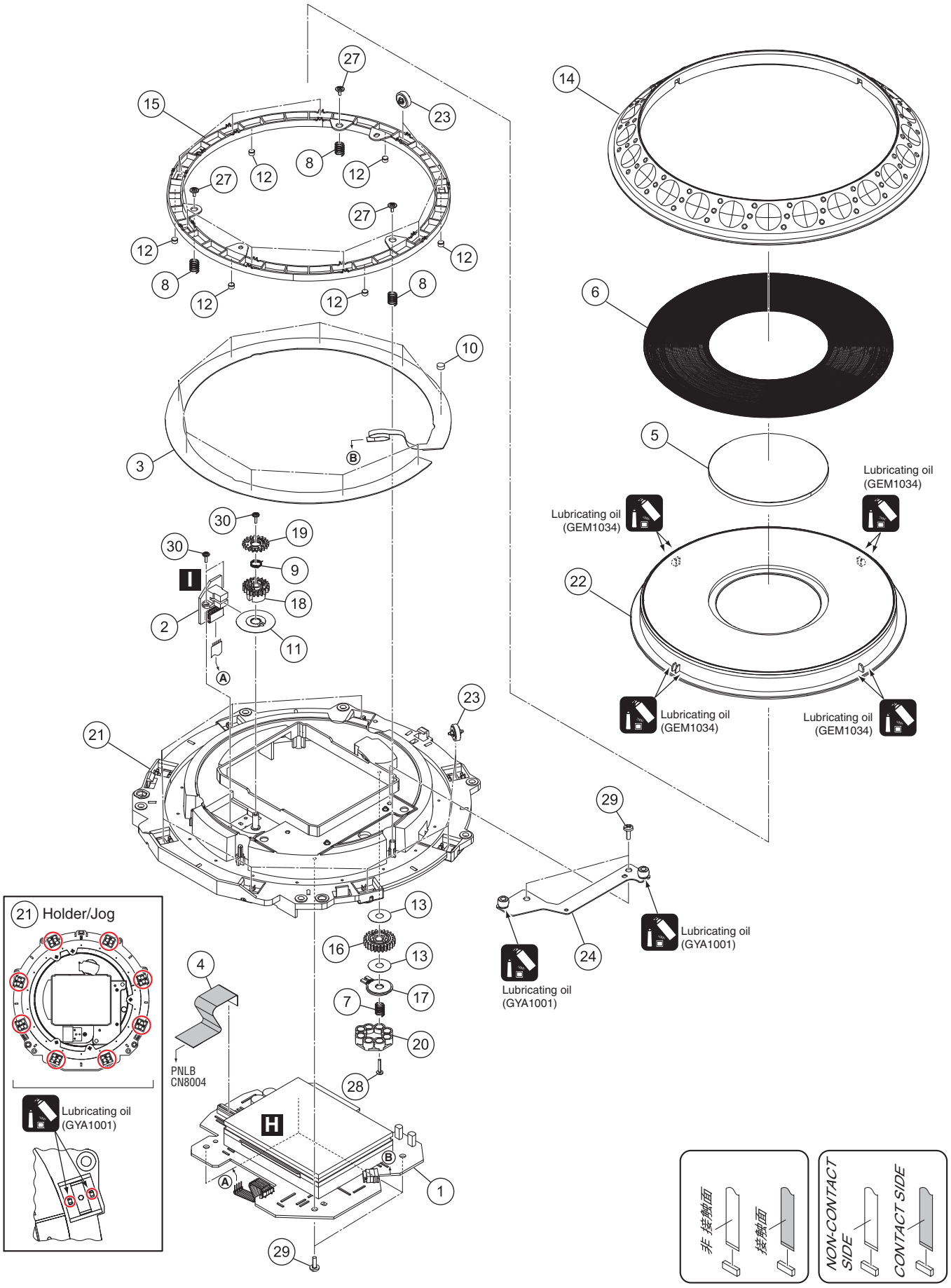
9.3 CONTROL PANEL SECTION



CONTROL PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	LCDB Assy	DWX3601
	2	PNLB Assy	DWX3603
	3	KSWB Assy	DWX3604
	4	SLDB Assy	DWX3605
	5	TFT LCD	CWX4352
	6	Touch Panel	DSX1128
	7	FFC	DDD1675
	8	FFC	DDD1679
	9	Knob/BRS	DAA1342
	10	Button/USB	DAC3016
	11	Button/BAK	DAC3017
	12	Panel/LCD	DAH3005
	13	Panel/TCP	DAH3006
	14	Packing/LCD	DEC3565
	15	Packing/L	DEC3568
	16	Packing/S	DEC3569
	17	Spacer/LCD	DEC3571
	18	Sheet/FFC	DEC3577
	19	Shield Case/LCD	DNH3172
	20	Plate/GND	DNH3173
	21	Stay/LCD	DNH3179
⚠	22	Control Panel/LCD	DNK6377
	23	Door/USB	DNK6379
	24	Lens/USB	DNK6381
	25	Holder/DOR	DNK6383
	26	Cover/R	DNK6395
	27	Reflector	DNK6400
	28	Knob	DAA1303
	29	Button (LOOP)	DAC2470
	30	Button	DAC3079
	31	Button/REV	DAC2938
	32	Button/VNL	DAC2939
	33	Button/PLY	DAC3004
	34	Slide Sheet 1C	DAH2404
	35	Stay/VR	DNF1928
	36	Knob/SLD	DNK5981
⚠	37	Control Panel	DNK6376
	38	Button Assy/RLP	DXB2162
	39	Button Assy/TMP	DXB2163
	40	Rivet (Plastic)	RBM-003
	41	•••••	
	42	•••••	
	43	Flange Nut M9	DBN1008
	44	Screw	ABZ30P060FTC
	45	Screw	BBZ26P060FTB
	46	Screw	BPZ26P080FTC
	47	Screw	BPZ30P080FNI

9.4 JOG DIAL SECTION

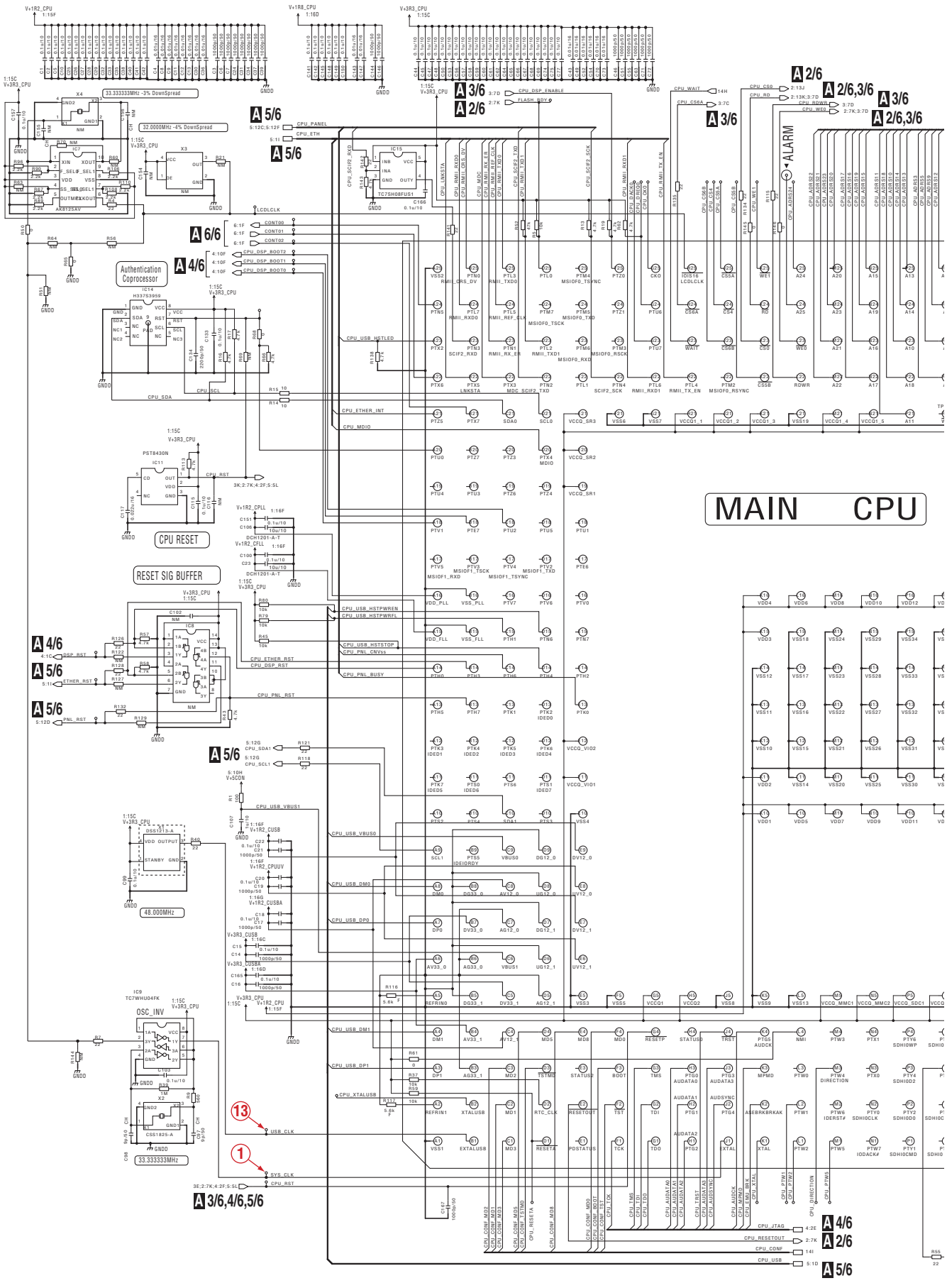


JOG DIAL SECTION PARTS LIST

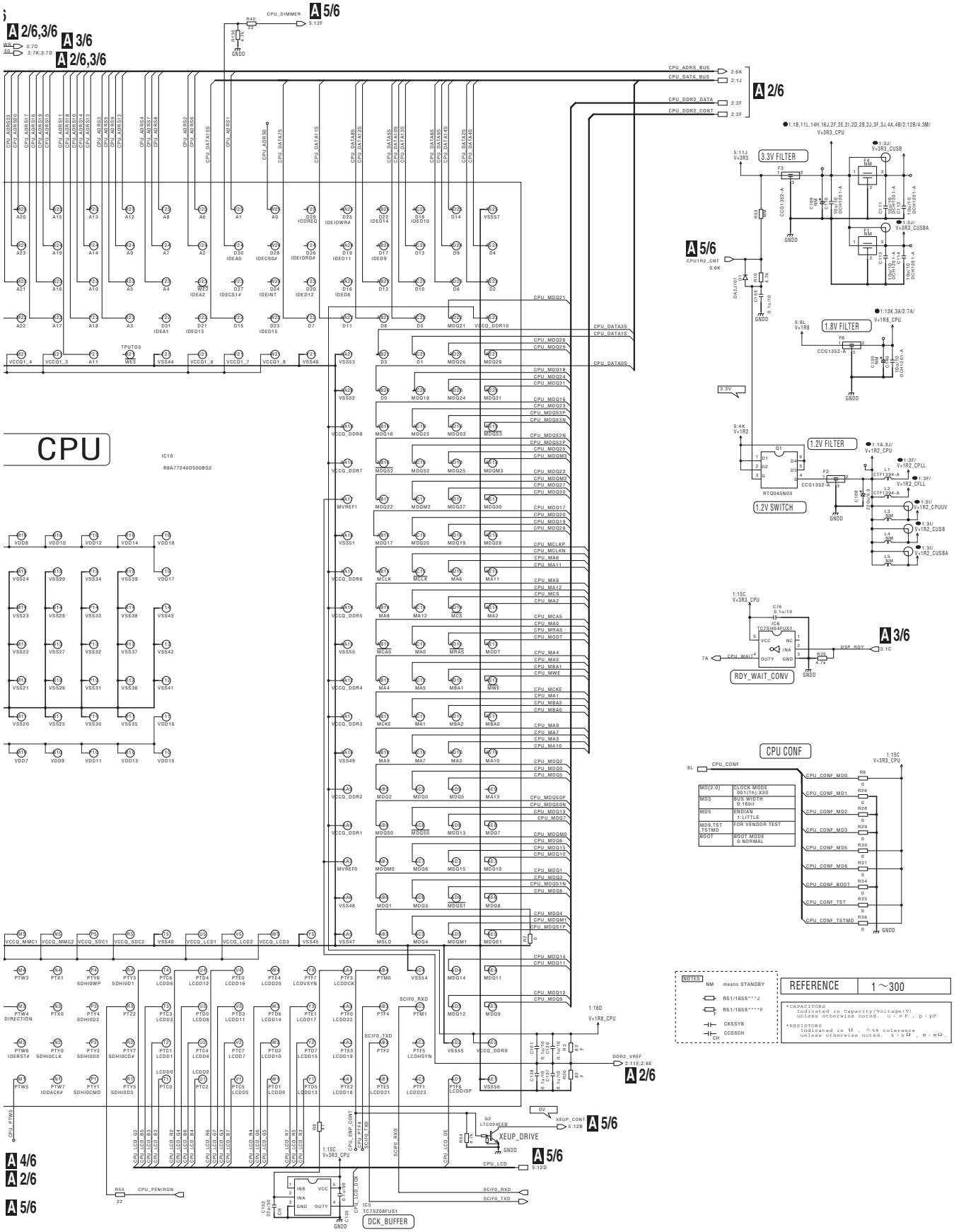
Mark	No.	Description	Part No.
	1	JFLB Assy	DWX3610
	2	JOGB Assy	DWX3611
	3	Sheet SW	DSX1078
	4	FFC	DDD1681
	5	Jog Panel	DAH2609
	6	Jog Plate	DAH2839
	7	Load Spring	DBH1680
	8	SW Spring	DBH1681
	9	Encoder Spring	DBH1710
	10	SW Cushion HH48/2	DEC2538
	11	Encoder Plate	DEC2889
	12	Cushion/Rng	DEC3466
	13	Washer	DEC3137
	14	Jog B	DNK4068
	15	SW Ring	DNK5233
	16	Load Gear	DNK5236
	17	Smoother	DNK5237
	18	Gear A	DNK5241
	19	Gear B	DNK5242
	20	Adjust Plate	DNK5300
⚠	21	Holder/Jog	DNK6265
	22	Jog Dial A	DNK5357
	23	Roller Assy/A	DXB2118
	24	Stay Assy/Jog	DXB2133
	25	•••••	
	26	•••••	
	27	Screw (FE)	DBA1265
	28	Screw	BPZ20P100FTC
	29	Screw	BPZ30P080FNI
	30	Screw	IPZ20P060FTC

10. SCHEMATIC DIAGRAM

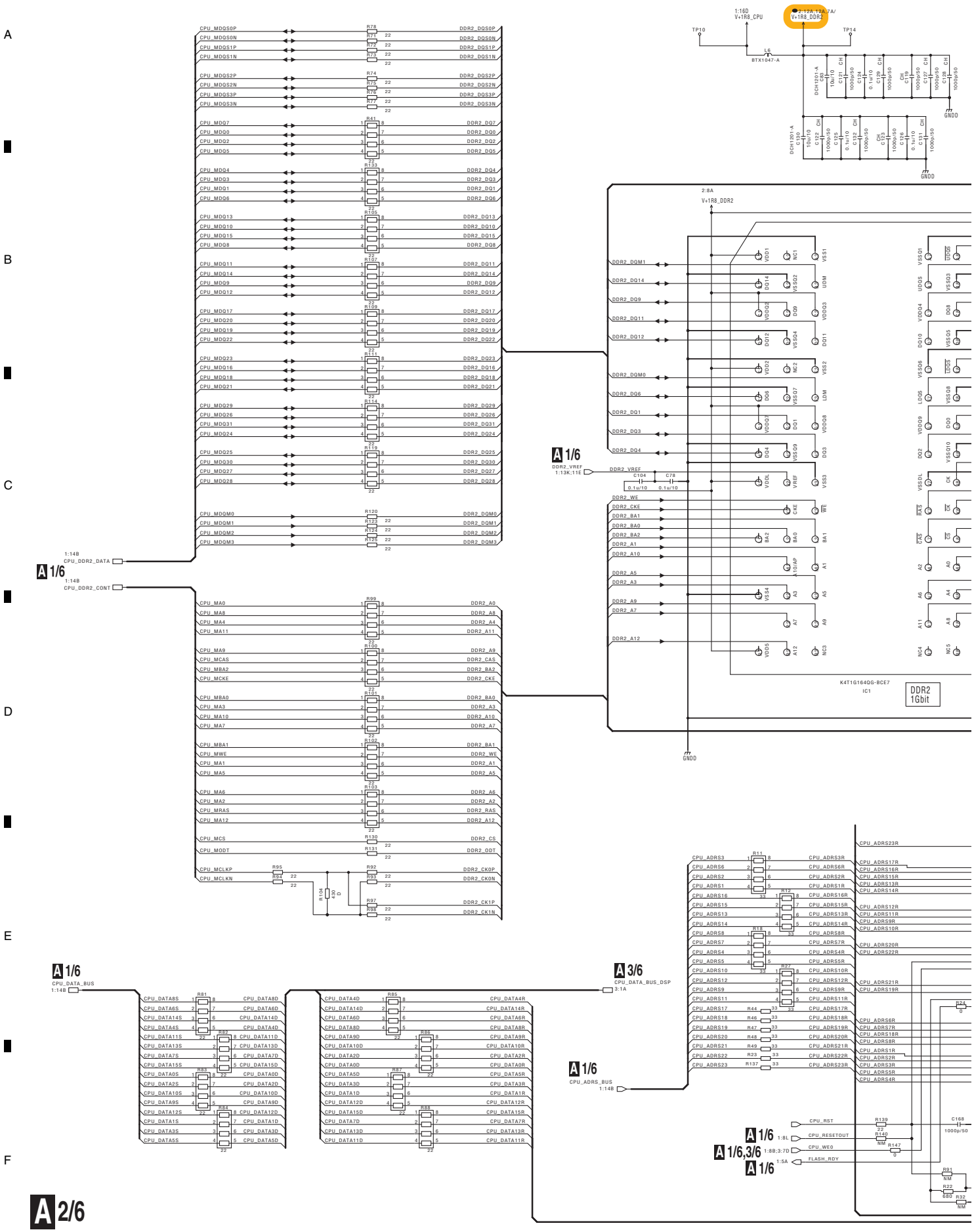
10.1 MAIN ASSY (1/6)



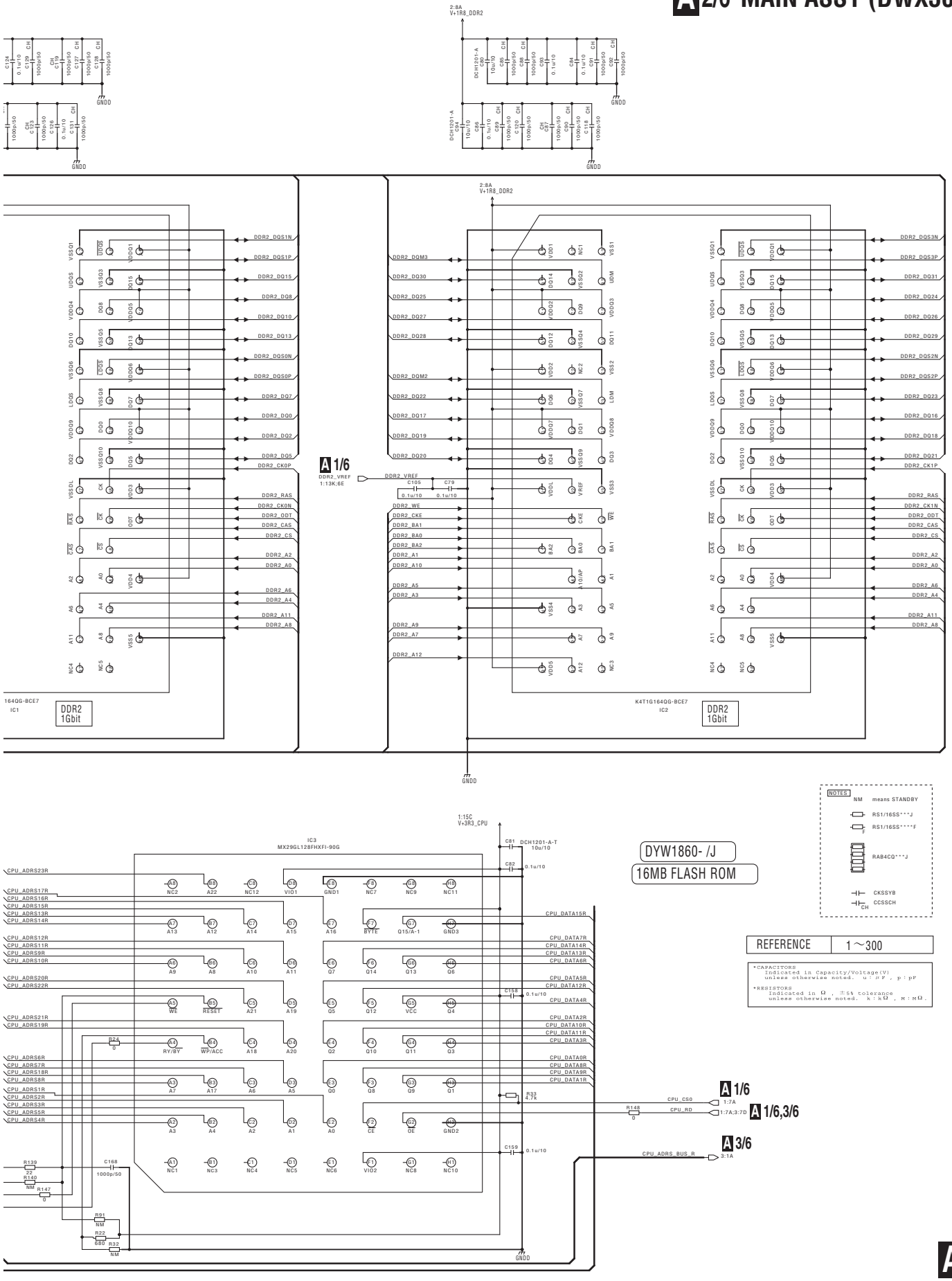
A 1/6 MAIN ASSY (DWX3600)



10.2 MAIN ASSY (2/6)



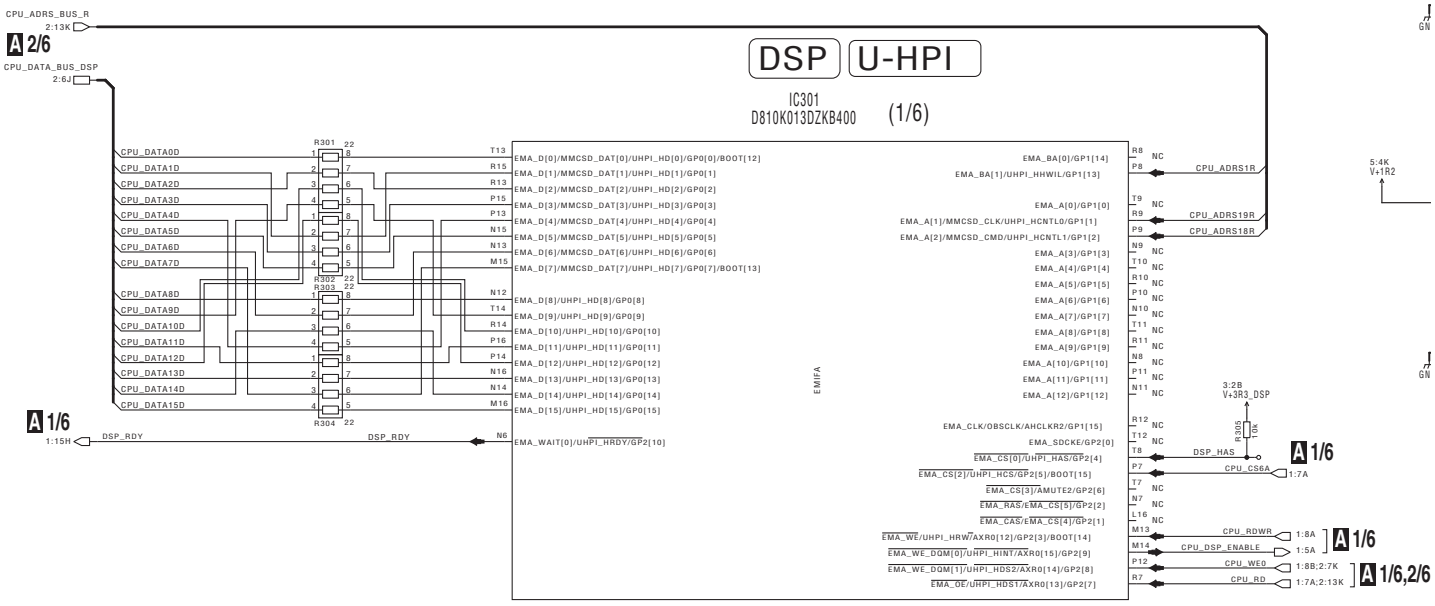
A 2/6 MAIN ASSY (DWX3600)

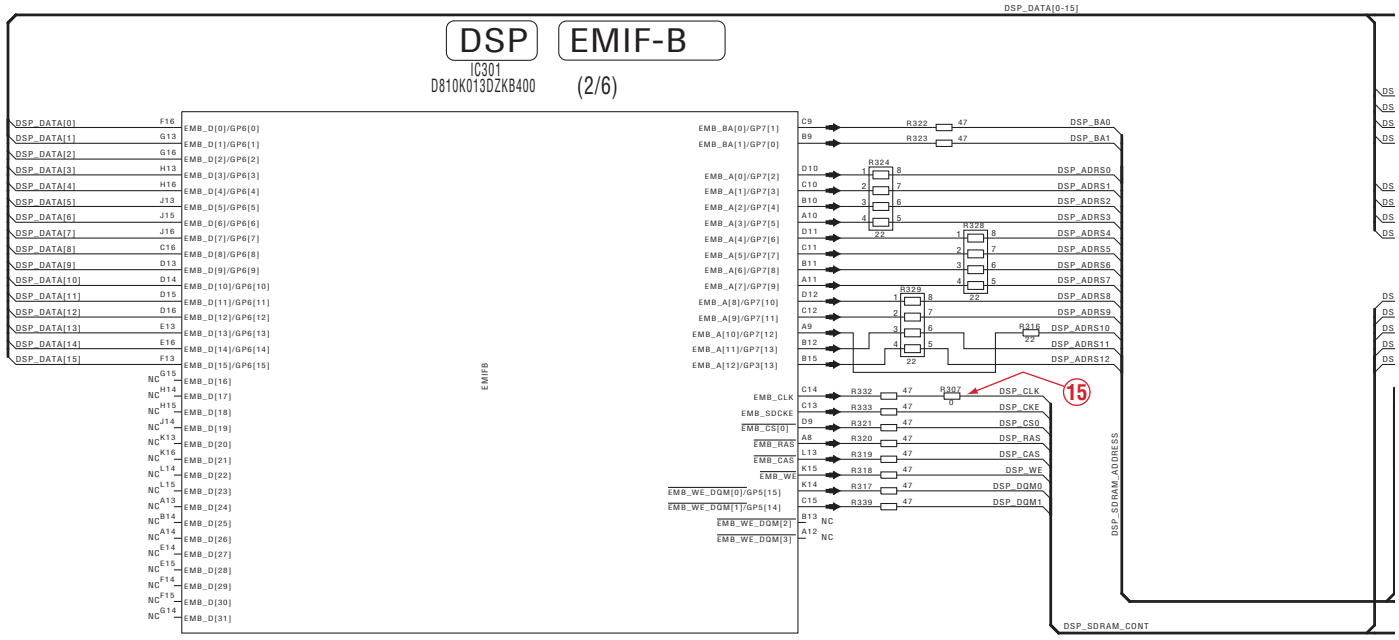


DYW1860- /J

16MB FLASH ROM

10.3 MAIN ASSY (3/6)

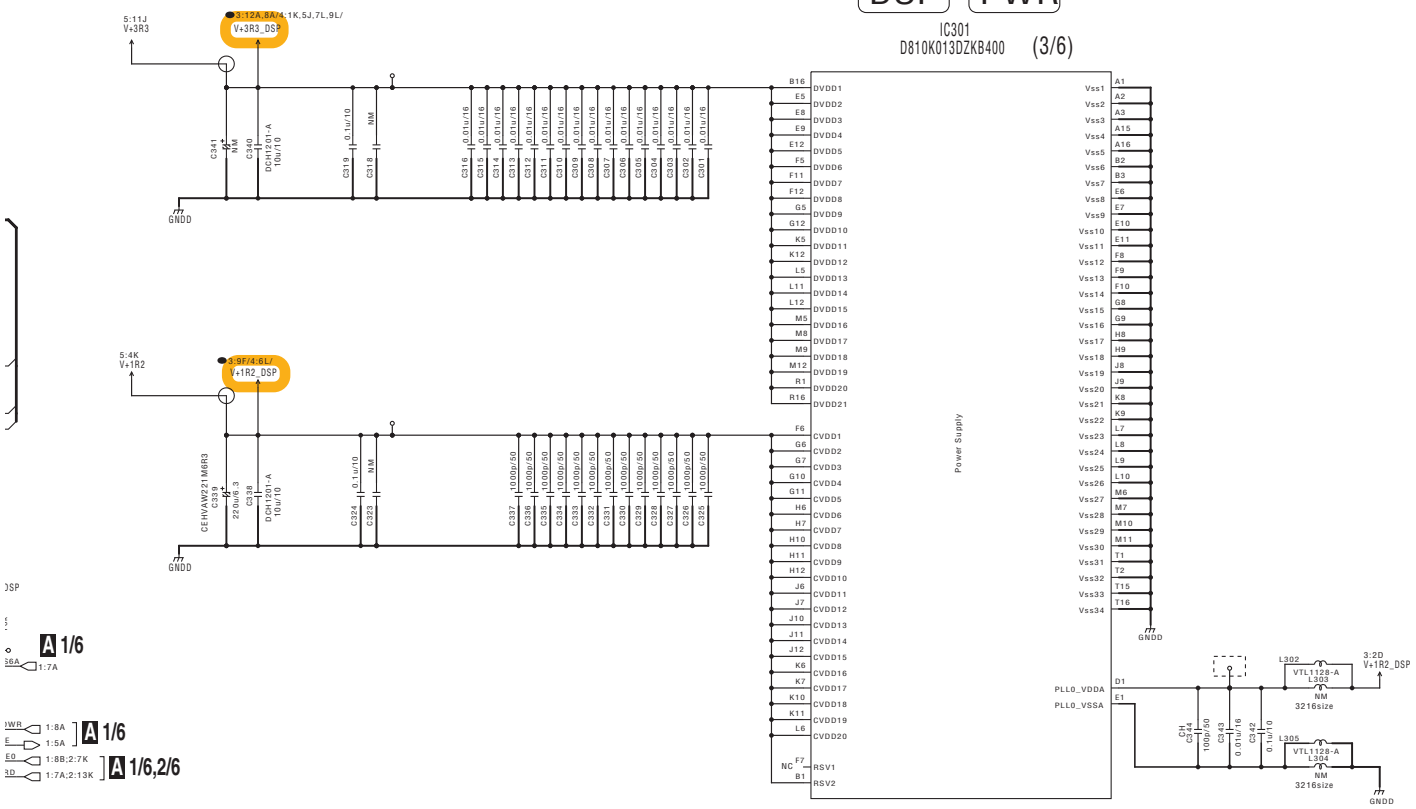




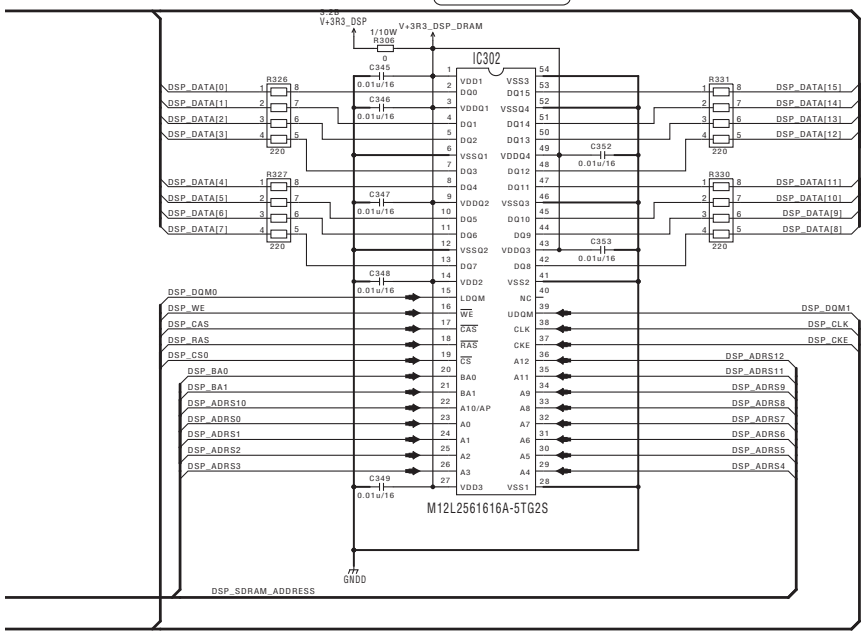
A 3/6

DSP PWR

IC301
D810K013DZKB400 (3/6)


5:11J
V+3R3
3:12A,8A/4:1K,5J,7L,9L/
V+3R3_DSP
C341 NM
C340 NM
DCH1201-A 10u/10
C319 0.1u/10
C318 NM
C316 C315 C314 C313 C312 C311 C310 C309 C308 C307 C306 C305 C304 C303 C302 C301 0.01u/16
GNDD
5:4K
V+1R2
3:9F/4:6L/
V+1R2_DSP
CEHVAW221M6R3 C339
220u/6.3
C338
DCH1201-A 10u/10
C324 0.1u/10
C323 NM
C337 C336 C335 C334 C333 C332 C331 C330 C329 C328 C327 C326 C325 1000u/50
GNDD
B16 E5 E8 E9 E12 F5 F11 F12 G5 G12 K5 K12 L5 L11 L12 M5 M8 M9 M12 R1 R16
DVDD1 DVDD2 DVDD3 DVDD4 DVDD5 DVDD6 DVDD7 DVDD8 DVDD9 DVDD10 DVDD11 DVDD12 DVDD13 DVDD14 DVDD15 DVDD16 DVDD17 DVDD18 DVDD19 DVDD20 DVDD21
F6 G6 G7 G10 G11 H6 H7 H10 H11 H12 J6 J7 J10 J11 J12 K6 K7 K10 K11 L6
CVDD1 CVDD2 CVDD3 CVDD4 CVDD5 CVDD6 CVDD7 CVDD8 CVDD9 CVDD10 CVDD11 CVDD12 CVDD13 CVDD14 CVDD15 CVDD16 CVDD17 CVDD18 CVDD19 CVDD20
NC F7 B1
RSV1 RSV2
Power Supply
A1 A2 A3 A15 A16 B2 B3 E6 E7 E10 E11 F8 F9 F10 G8 G9 H8 H9 J8 J9 K8 K9 L7 L8 L9 L10 M6 M7 M10 M11 T1 T2 T15 T16
Vss1 Vss2 Vss3 Vss4 Vss5 Vss6 Vss7 Vss8 Vss9 Vss10 Vss11 Vss12 Vss13 Vss14 Vss15 Vss16 Vss17 Vss18 Vss19 Vss20 Vss21 Vss22 Vss23 Vss24 Vss25 Vss26 Vss27 Vss28 Vss29 Vss30 Vss31 Vss32 Vss33 Vss34
GNDD
PLL0_VDDA
PLL0_VSSA
D1
E1
L302 VTL1128-A L303 NM 3216size
3:2D
V+1R2_DSP
CH C344 100u/50
C343 0.01u/16
C342 0.1u/10
L305 VTL1128-A L304 NM 3216size
GNDD
DSP
A 1/6
1:7A
WR 1:8A A 1/6
1:5A
E0 1:8B;2:7K
RD 1:7A;2:13K A 1/6,2/6

32MB SDRAM


3:2E
V+3R3_DSP
V+3R3_DSP_DRAM
1/10W R306 0
IC302
C345 C346 C347 C348 C349 0.01u/16
C352 C353 0.01u/16
R326 R327 R331 R330 220
DSP_DATA[0] DSP_DATA[1] DSP_DATA[2] DSP_DATA[3]
DSP_DATA[4] DSP_DATA[5] DSP_DATA[6] DSP_DATA[7]
DSP_DATA[15] DSP_DATA[14] DSP_DATA[13] DSP_DATA[12]
DSP_DATA[11] DSP_DATA[10] DSP_DATA[9] DSP_DATA[8]
VDD1 VDD2 VDD3 VDDQ1 VDDQ2 VDDQ3 VDDQ4 VSS1 VSS2 VSS3 VSSQ1 VSSQ2 VSSQ3 VSSQ4
DQ0 DQ1 DQ2 DQ3 DQ4 DQ5 DQ6 DQ7 DQ8 DQ9 DQ10 DQ11 DQ12 DQ13 DQ14 DQ15
LDQM UDQM WE CAS RAS CS CKE CLK BA0 BA1 A10/AP A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A11 A12 NC
DSP_DQM0 DSP_WE DSP_CAS DSP_RAS DSP_CS0 DSP_BA0 DSP_BA1 DSP_ADRS10 DSP_ADRS0 DSP_ADRS1 DSP_ADRS2 DSP_ADRS3
DSP_DQM1 DSP_CLK DSP_CKE
DSP_ADRS12 DSP_ADRS11 DSP_ADRS9 DSP_ADRS8 DSP_ADRS7 DSP_ADRS6 DSP_ADRS5 DSP_ADRS4
M12L2561616A-5TG2S
GNDD
DSP_SDRAM_ADDRESS

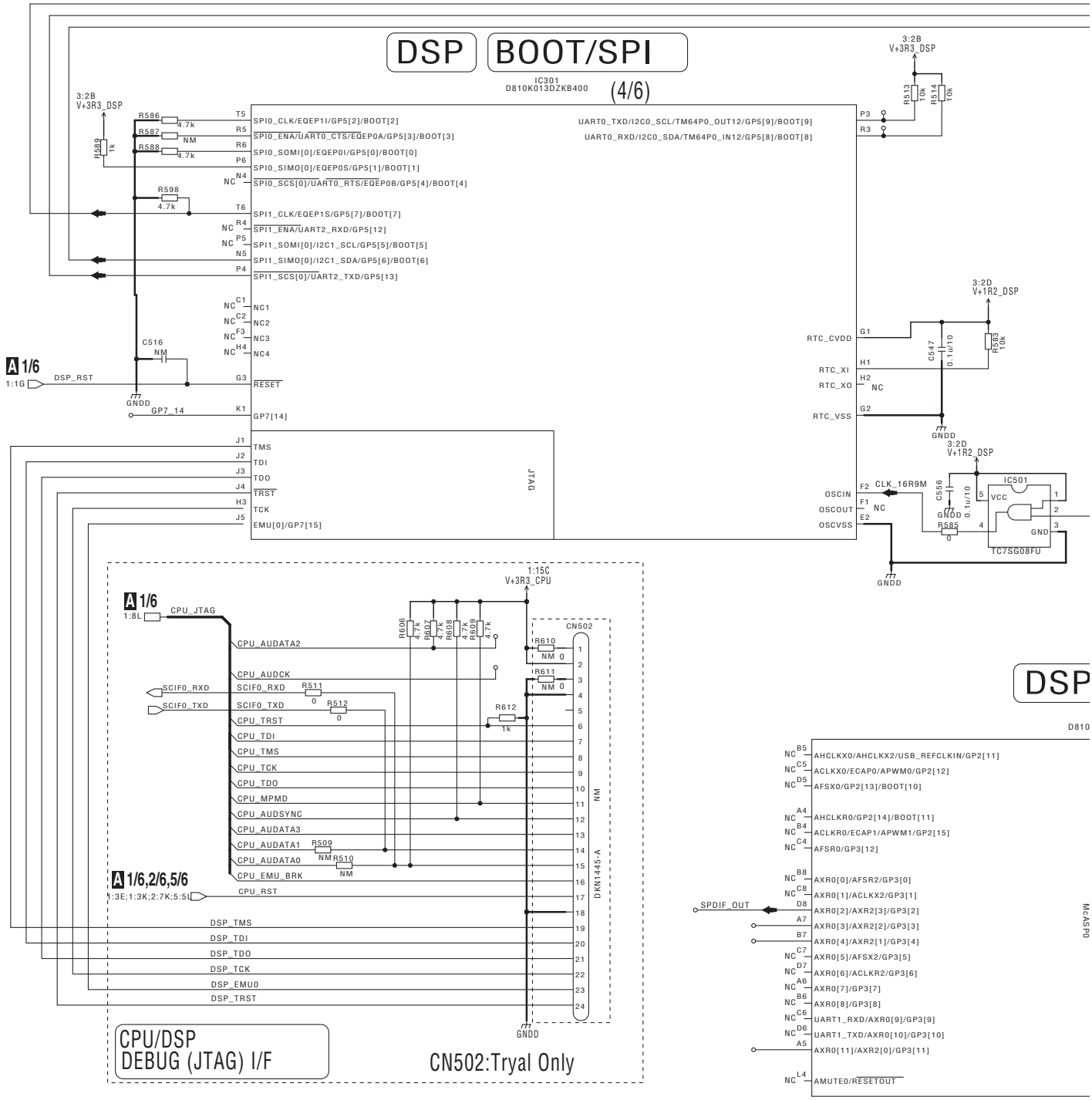
NOTES
NM means STANDBY
RS1/16SS***J
RS1/16SS****F
RS1/10SR***J 1/10W
RAB4CQ***J
CKSSYB

REFERENCE	301 ～500

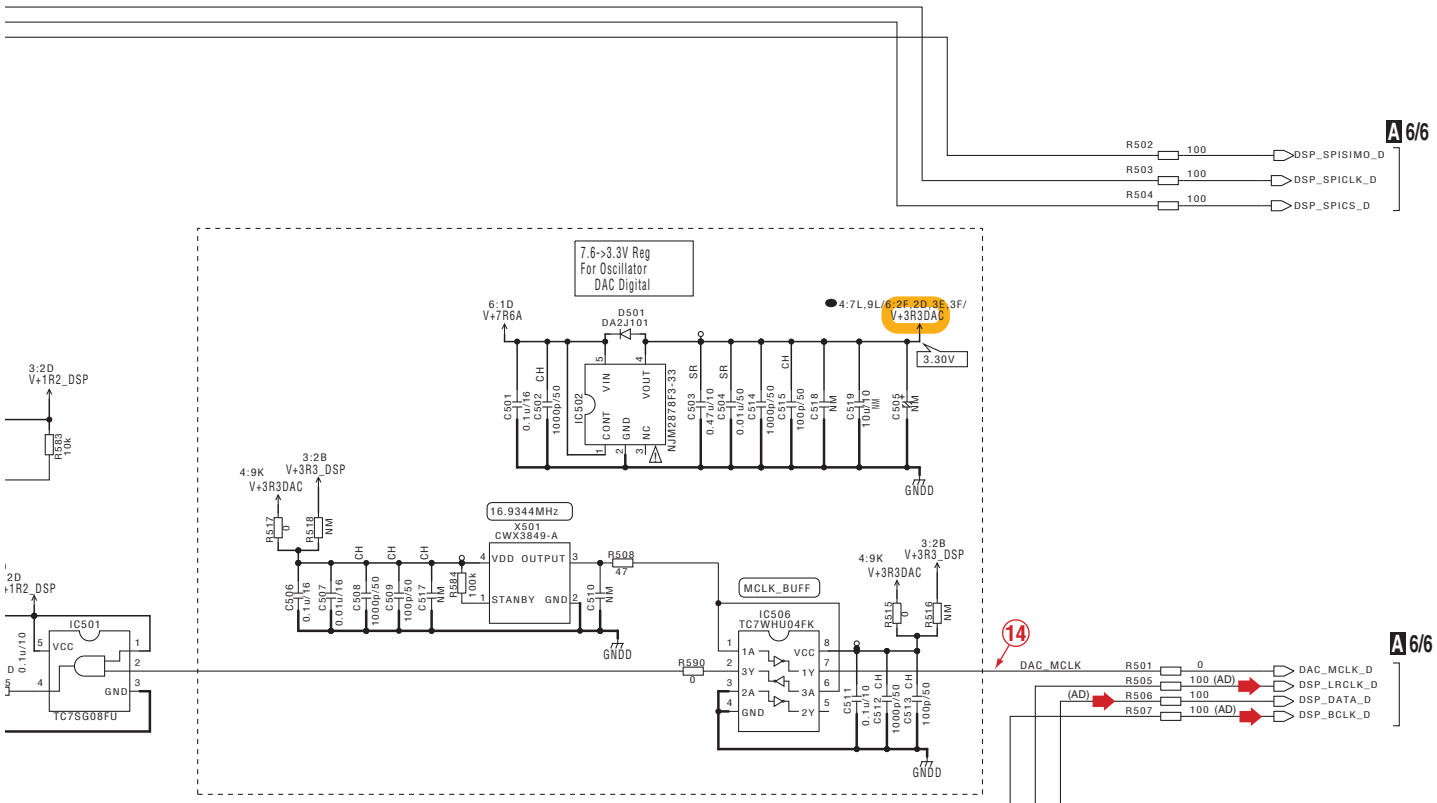
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

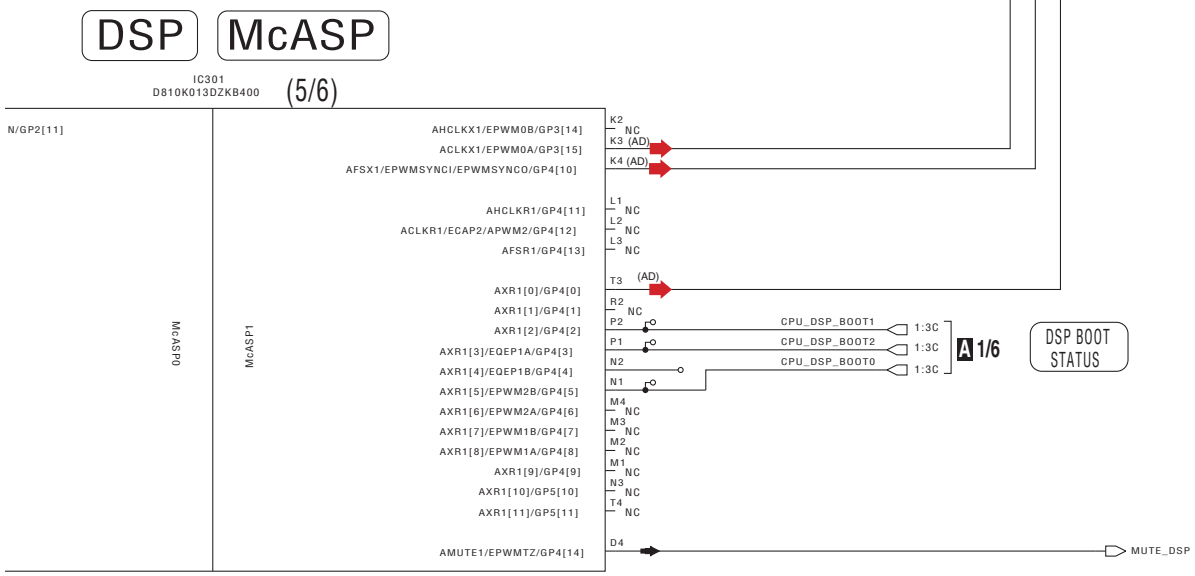
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

10.4 MAIN ASSY (4/6)



A 4/6





NOTES
NM means STANDBY
RS1/16SS***J
CKSSYB
CCSSCH

REFERENCE	501 ～700

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

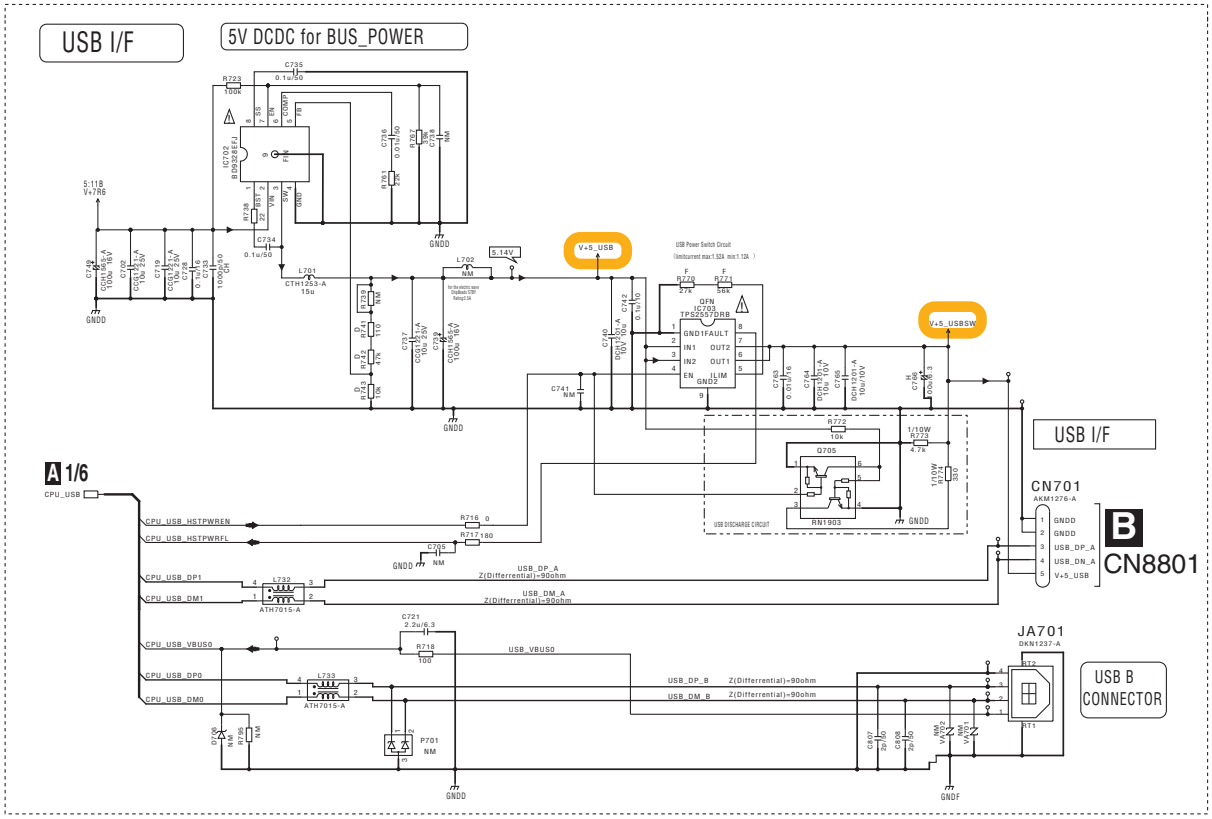
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

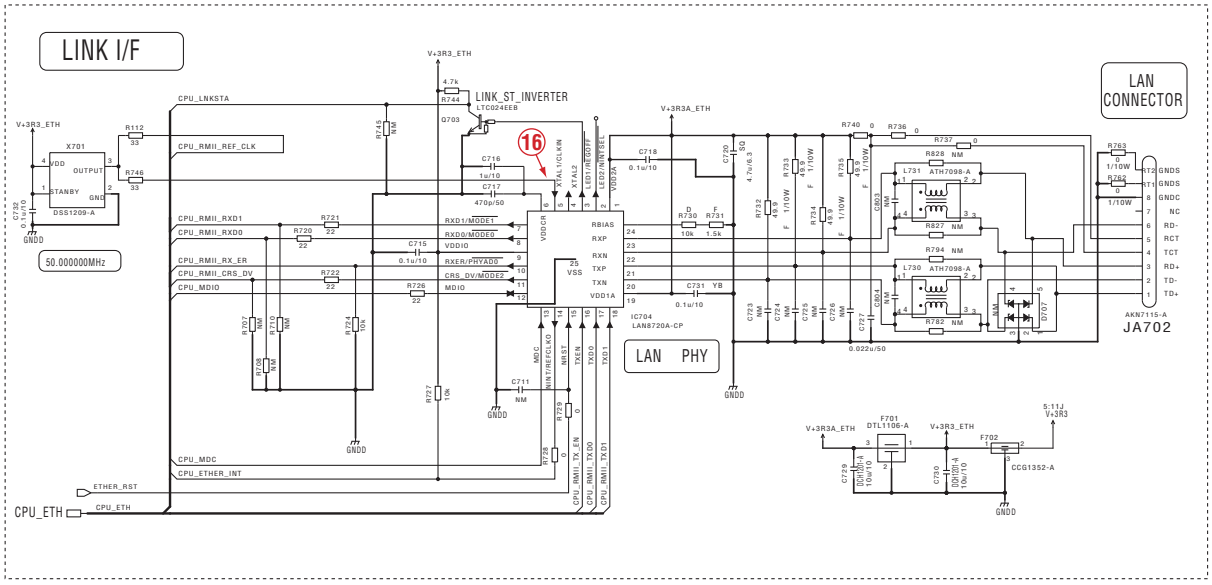
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

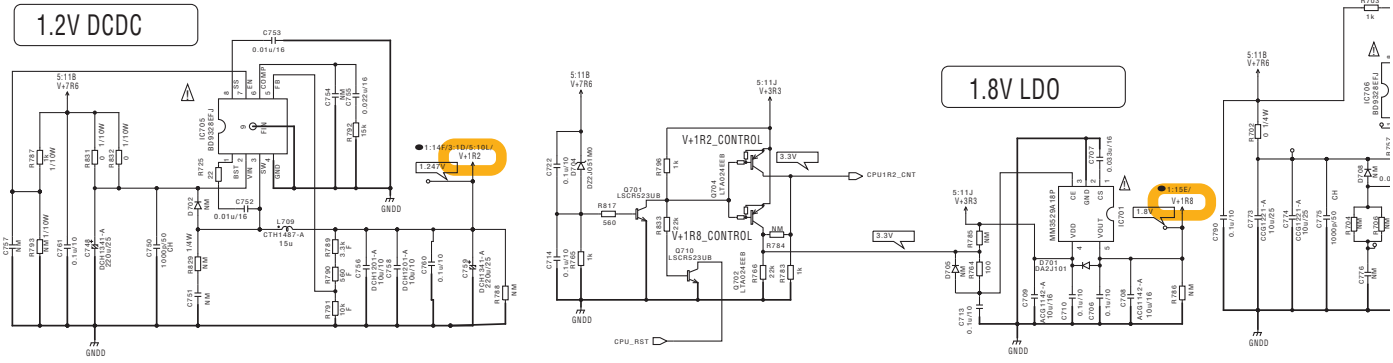
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

(AD) : Audio Data Signal Route

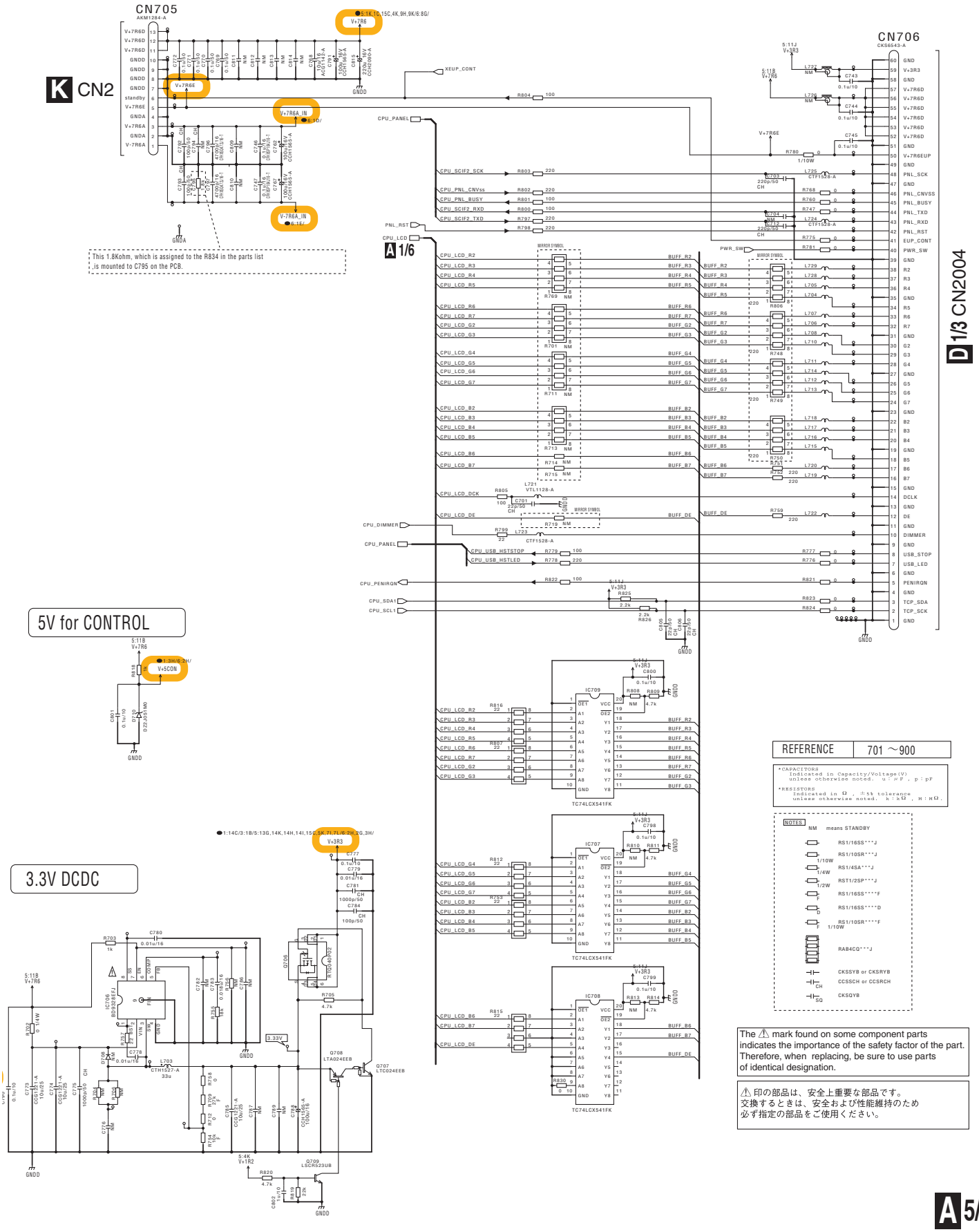
10.5 MAIN ASSY (5/6)



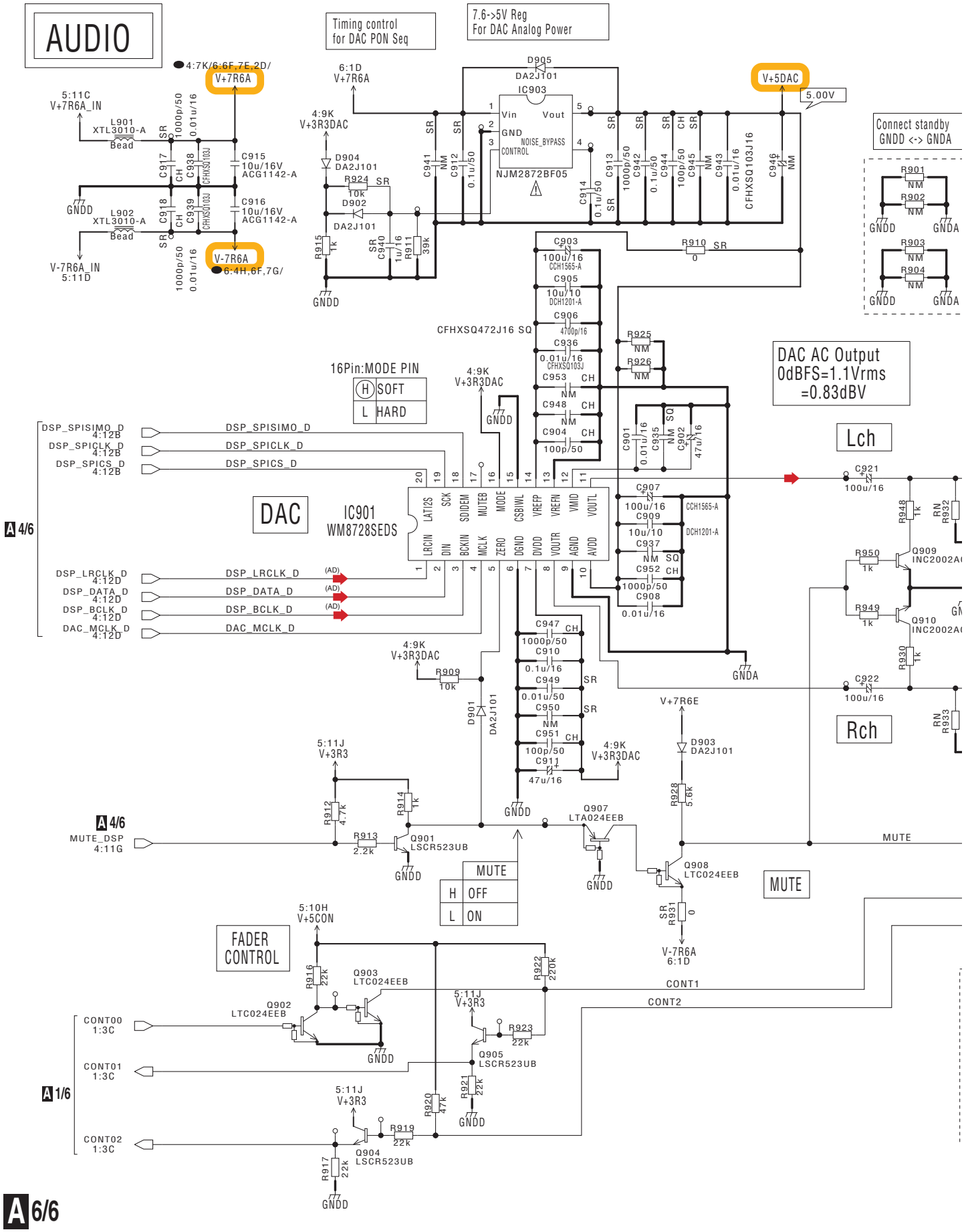


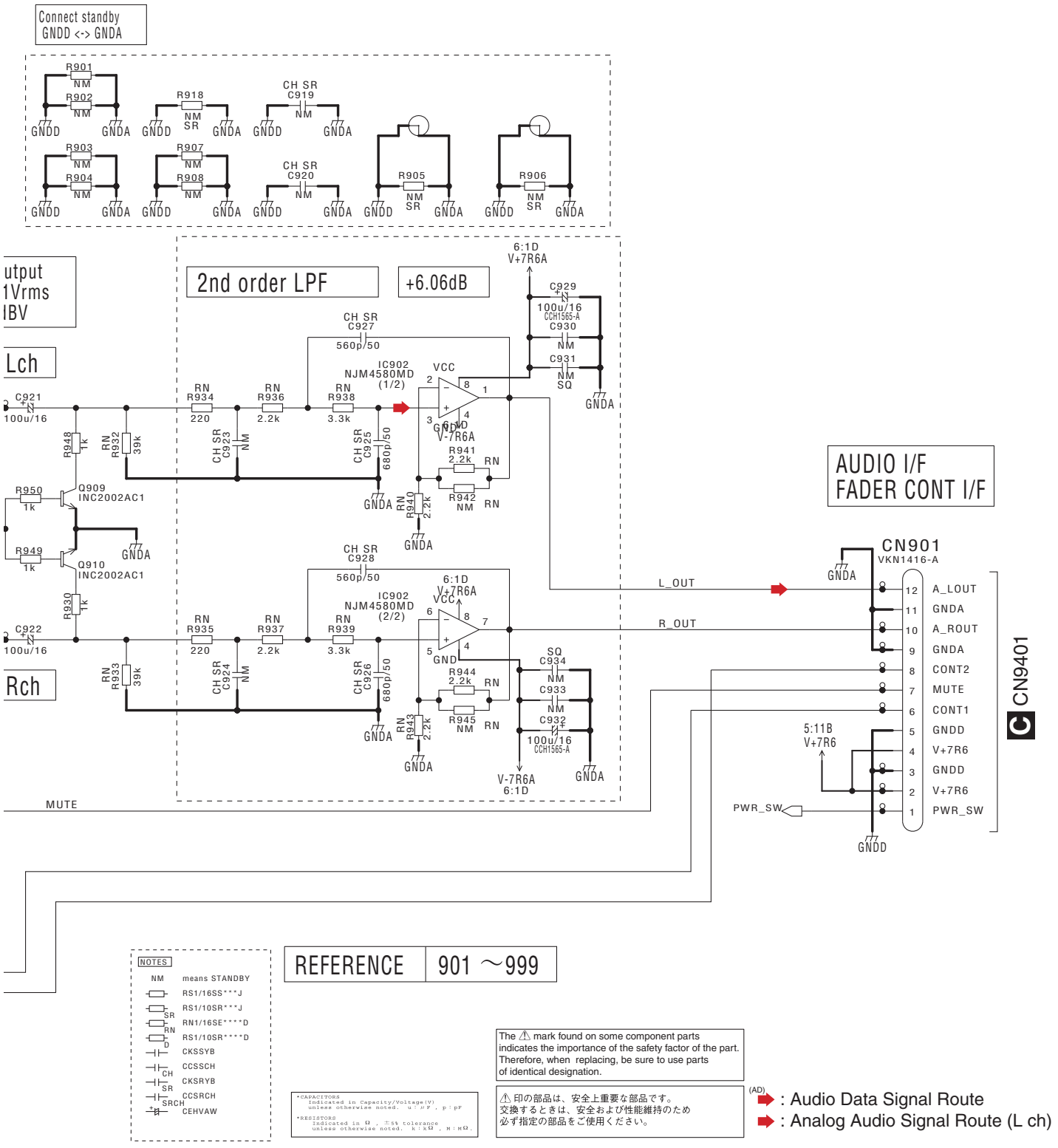


A 5/6

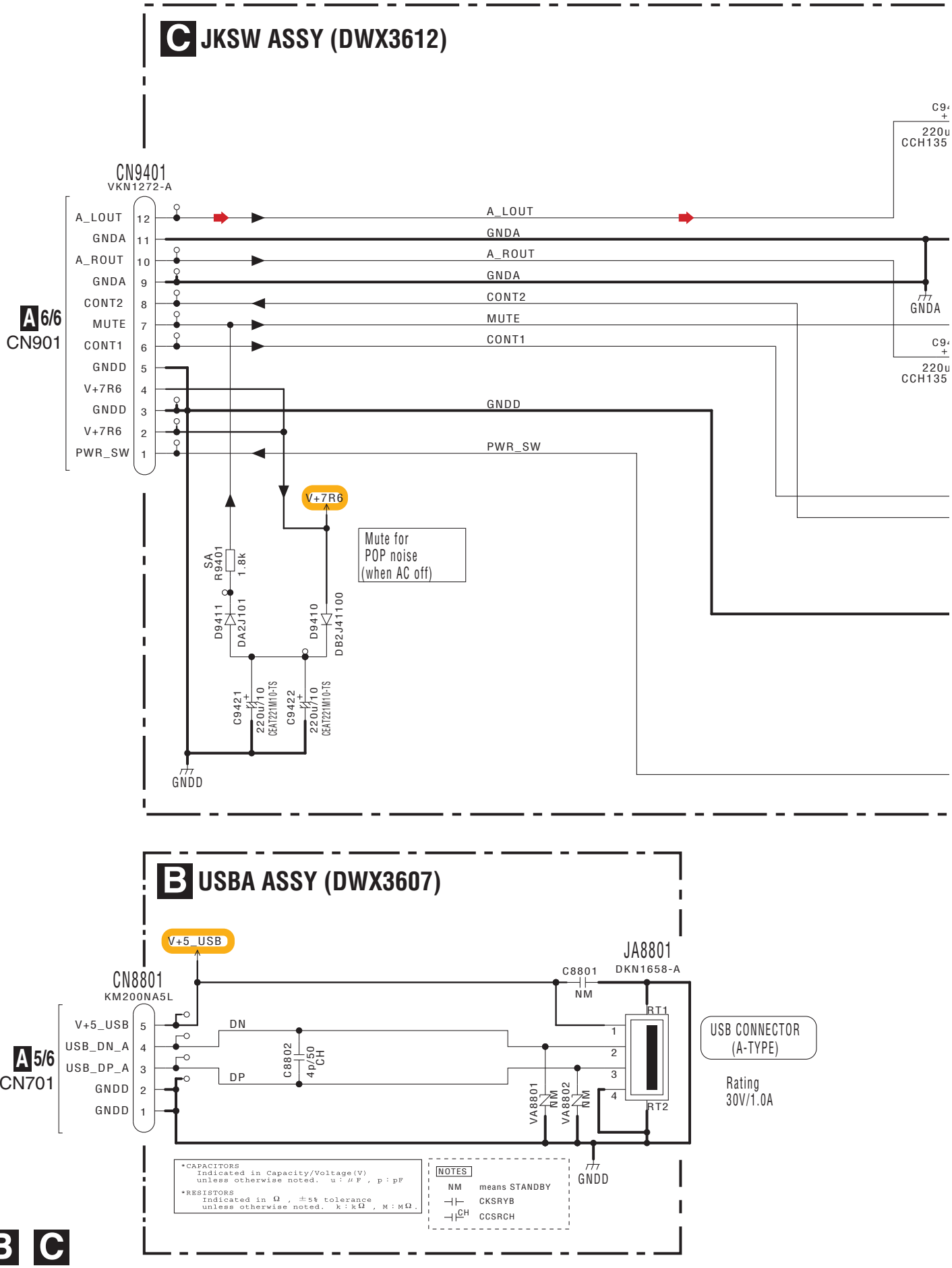

CN705
AKM1284-A
K CN2
CN706
CKS6543-A
D 1/3 CN2004
A 1/6
XEUP_CONT
CPU_PANEL
PNL_RST
CPU_LCD
PWR_SW
CPU_DIMMER
CPU_PENIRQN
CPU_SDA1
CPU_SCL1
CPU_USB_HSTSTOP
CPU_USB_HSTLED
This 1.8Kohm, which is assigned to the R834 in the parts list ,is mounted to C795 on the PCB.
5V for CONTROL
3.3V DCDC
REFERENCE 701 ～900
NOTES
NM means STANDBY
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

10.6 MAIN ASSY (6/6)

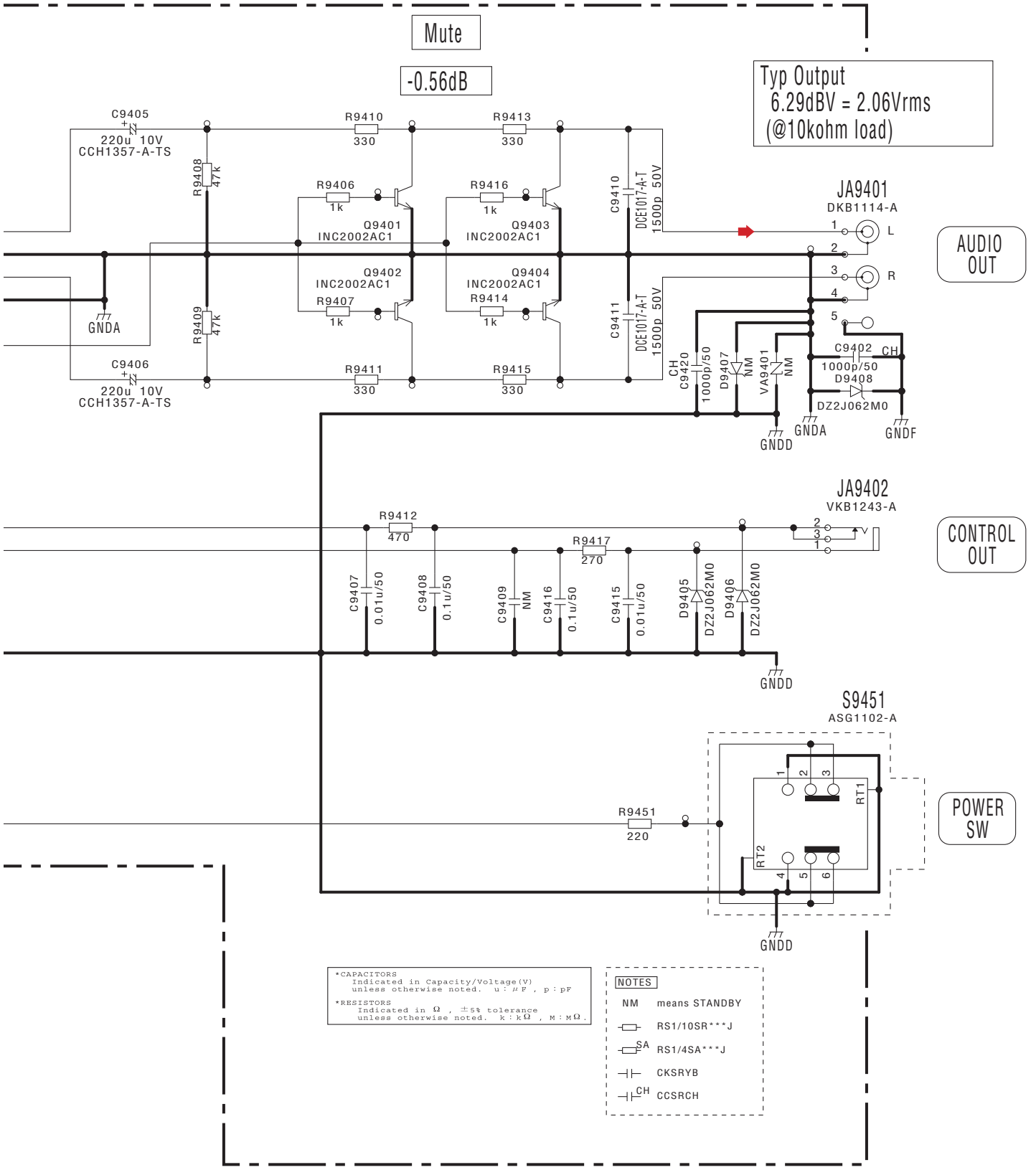



Connect standby
GNDD <-> GNDA
2nd order LPF
+6.06dB
Lch
Rch
utput
1Vrms
IBV
IC902
NJM4580MD
(1/2)
(2/2)
6:1D
V+7R6A
V-7R6A
AUDIO I/F
FADER CONT I/F
CN901
VKN1416-A
CN9401
L_OUT
R_OUT
MUTE
PWR_SW
5:11B
V+7R6
A_LOUT
A_ROUT
CONT2
CONT1
REFERENCE
901 ～999
means STANDBY
RS1/16SS***J
RS1/10SR***J
RN1/16SE****D
RS1/10SR****D
CKSSYB
CCSSCH
CKSRYB
CCSRCH
CEHVAW
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。
: Audio Data Signal Route
: Analog Audio Signal Route (L ch)

10.7 USBA and JKSW ASSYS

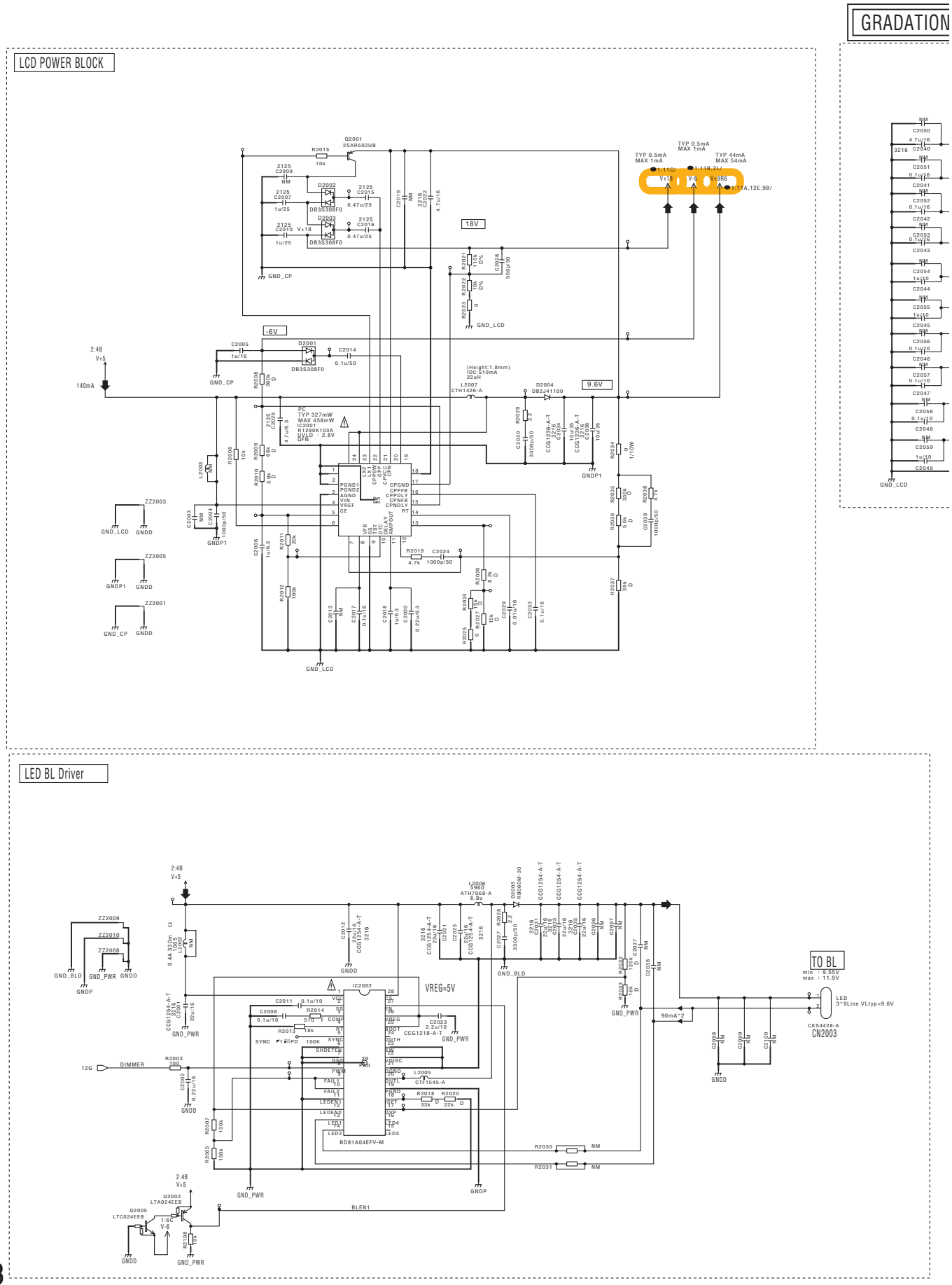


B C

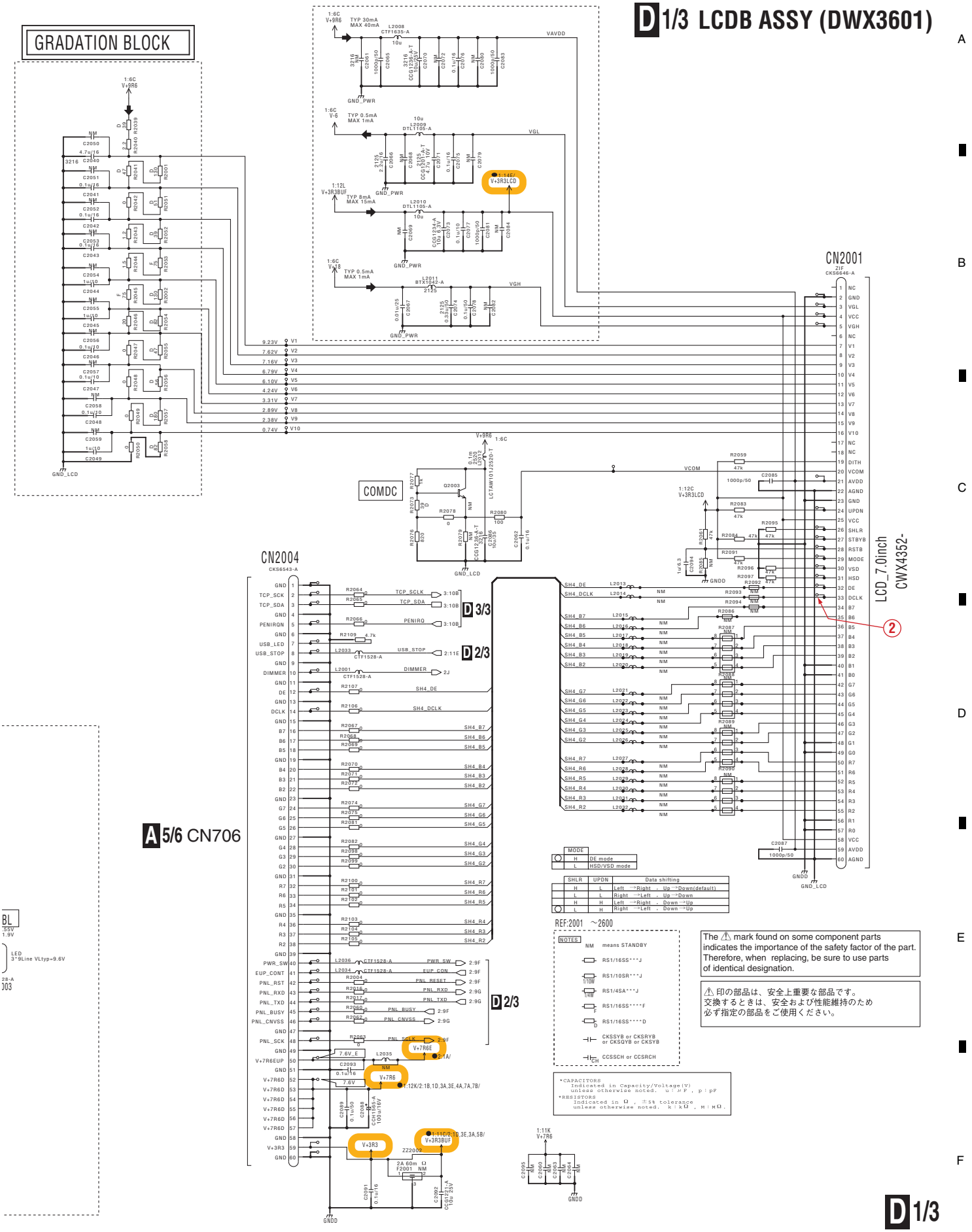


➡ : Analog Audio Signal Route (L ch)

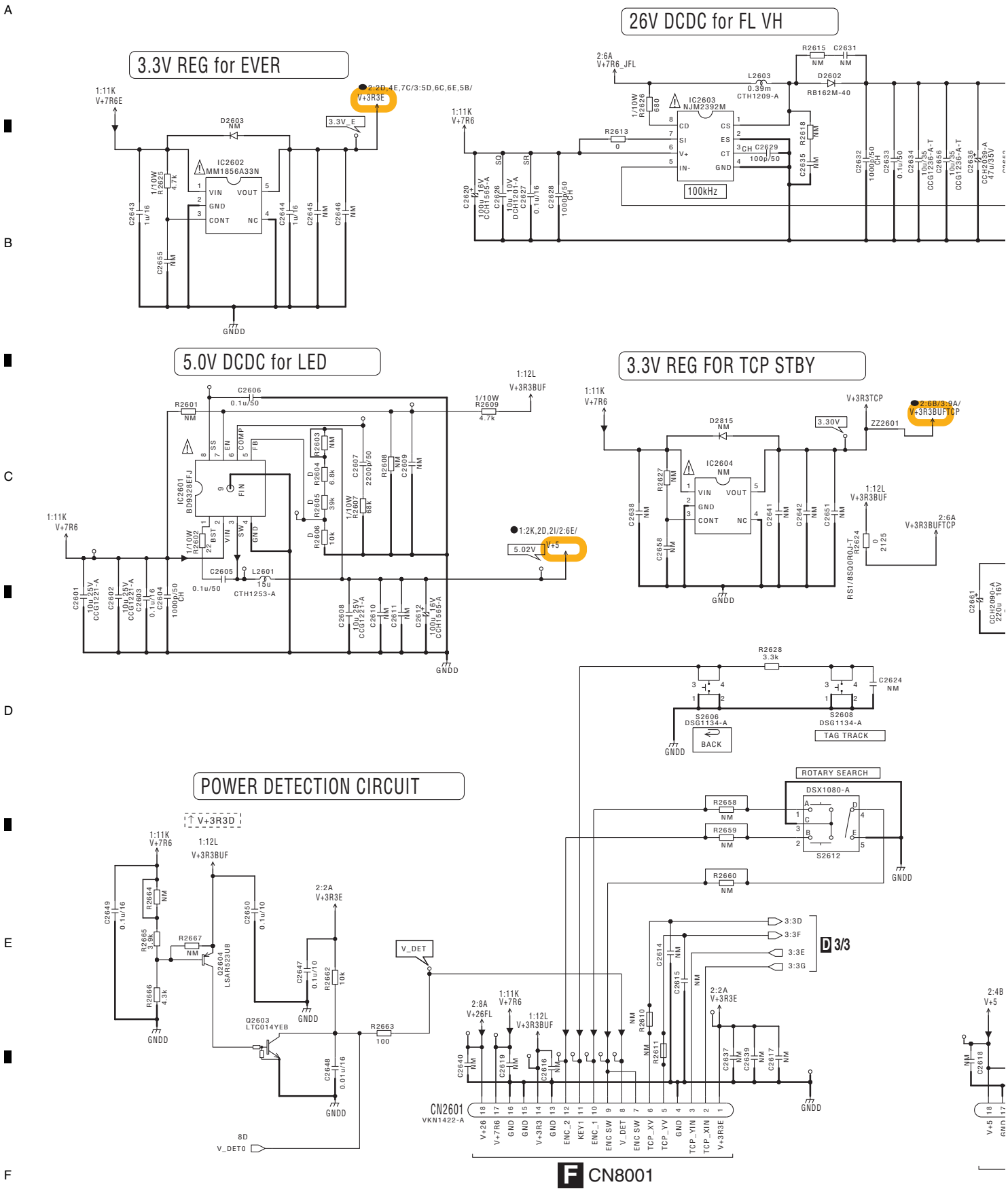
10.8 LCDB ASSY (1/3)



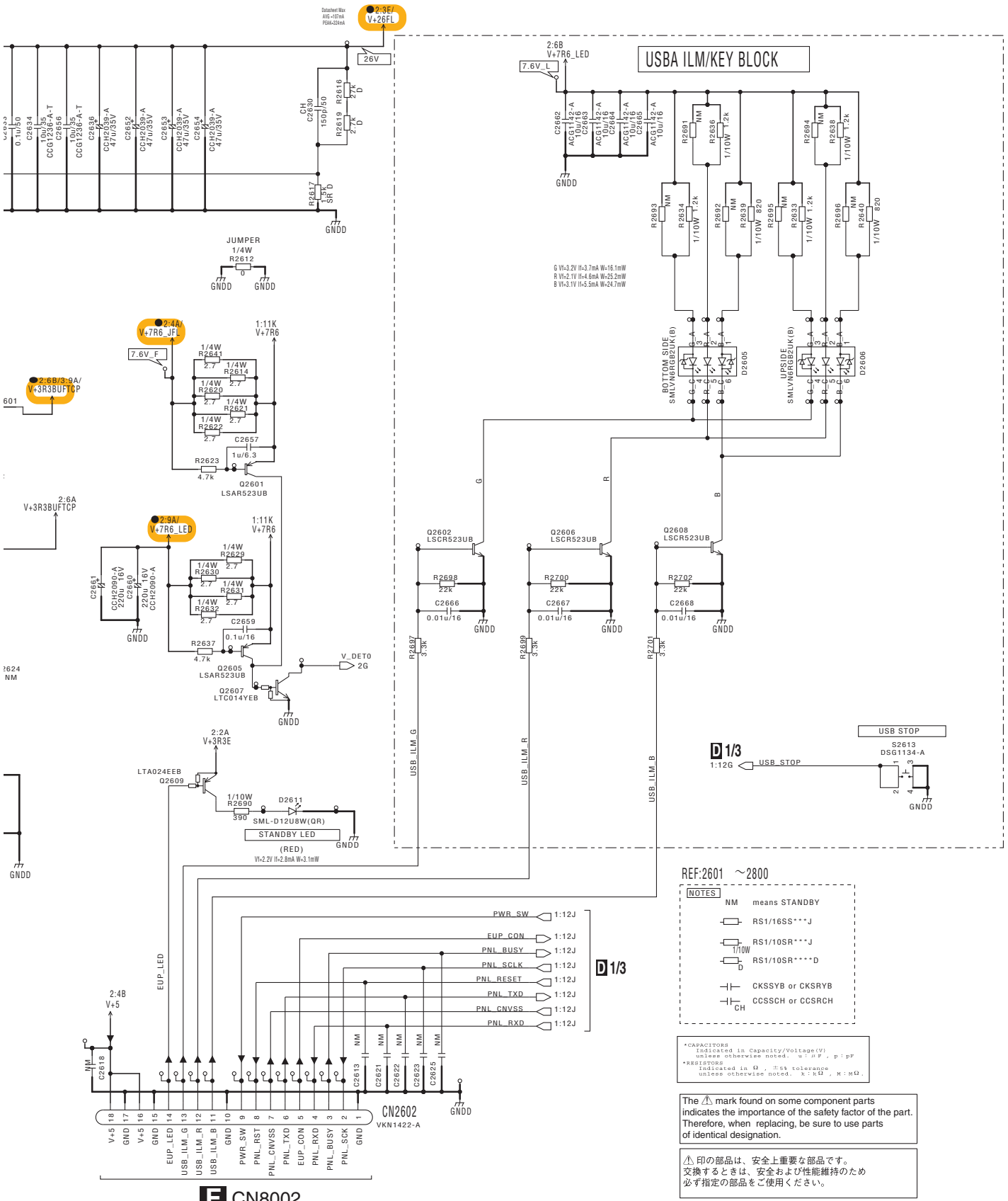
D 1/3 LCDB ASSY (DWX3601)



10.9 LCDB ASSY (2/3)

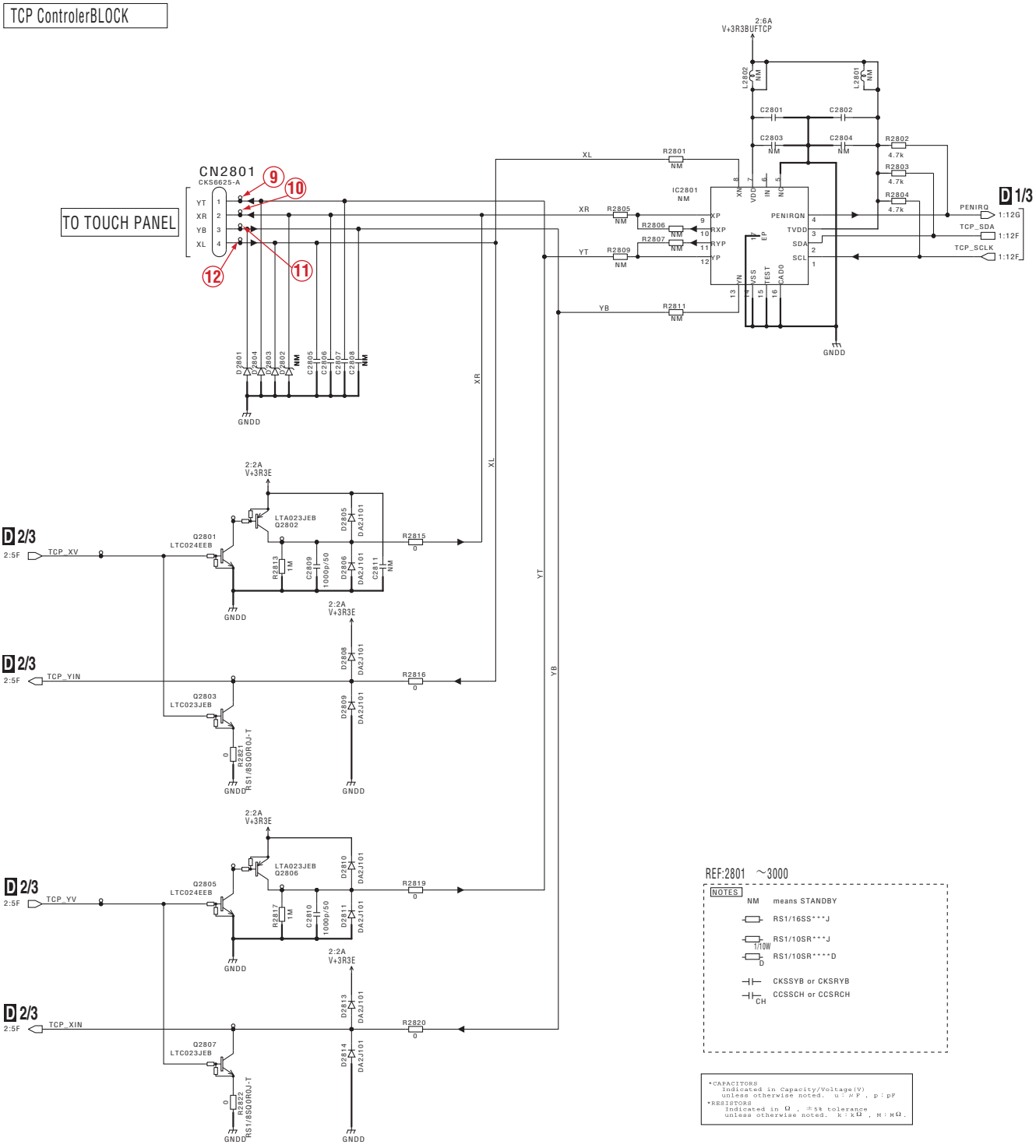


D 2/3 LCDB ASSY (DWX3601)



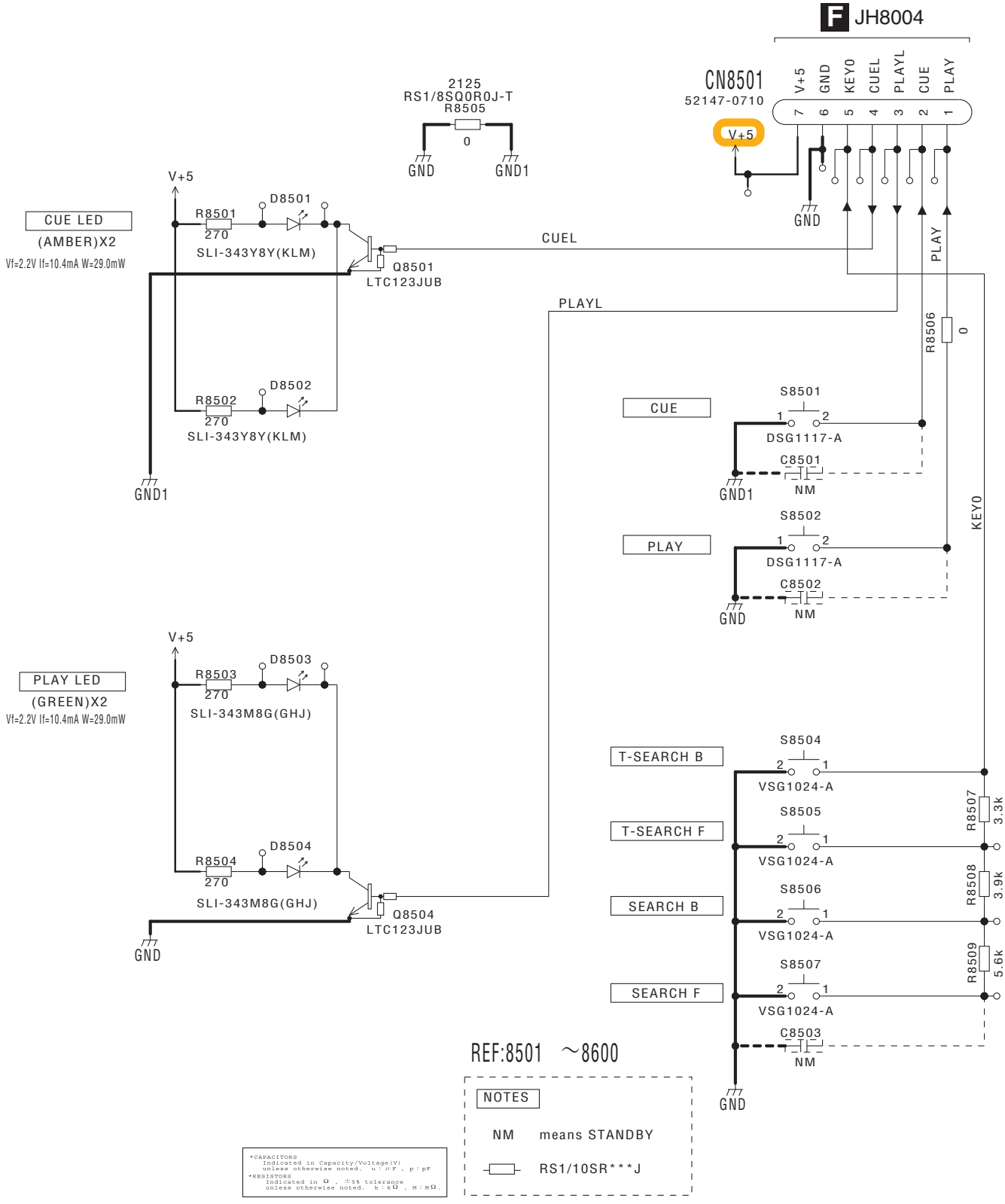
10.10 LCDB ASSY (3/3)

D 3/3 LCDB ASSY (DWX3601)

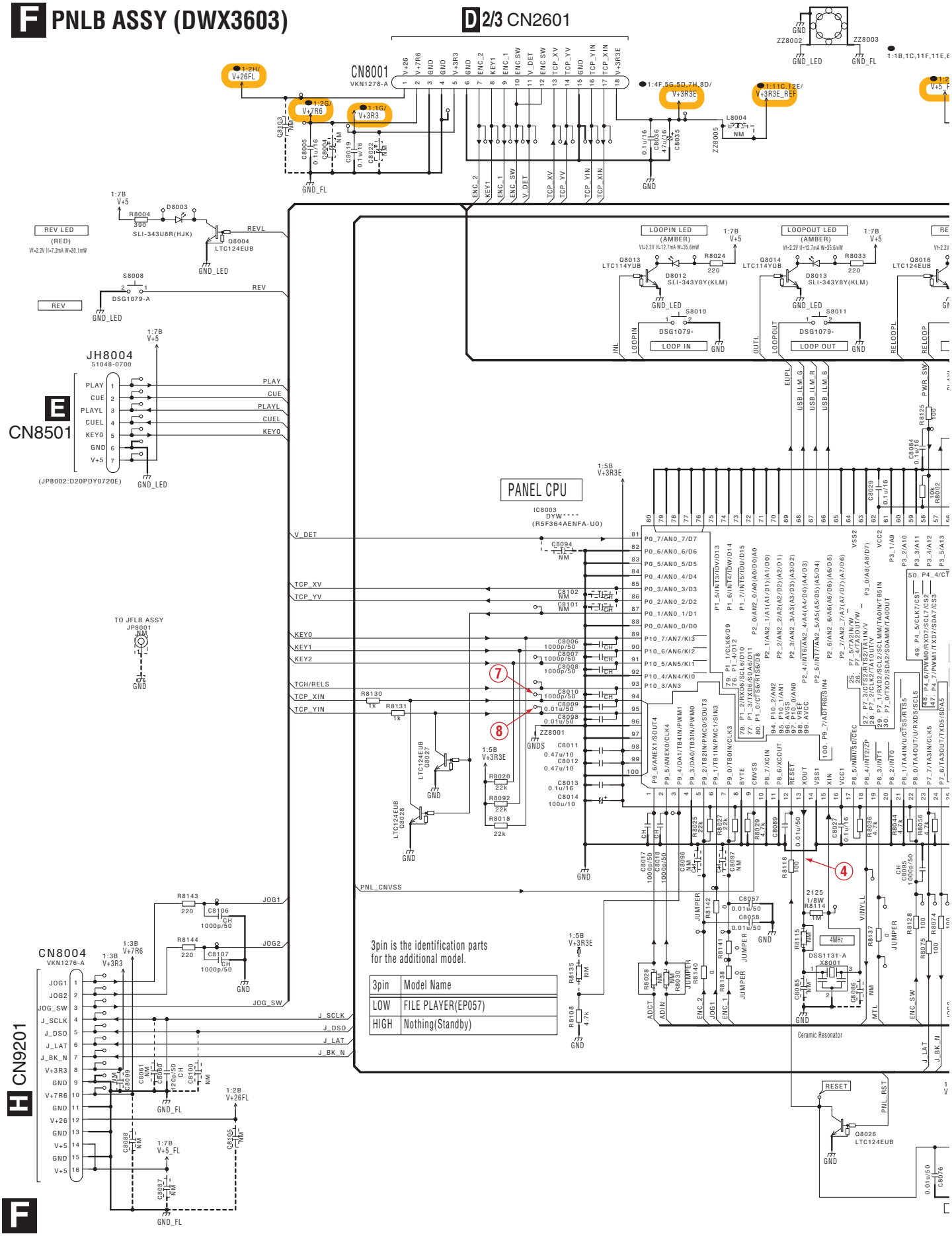


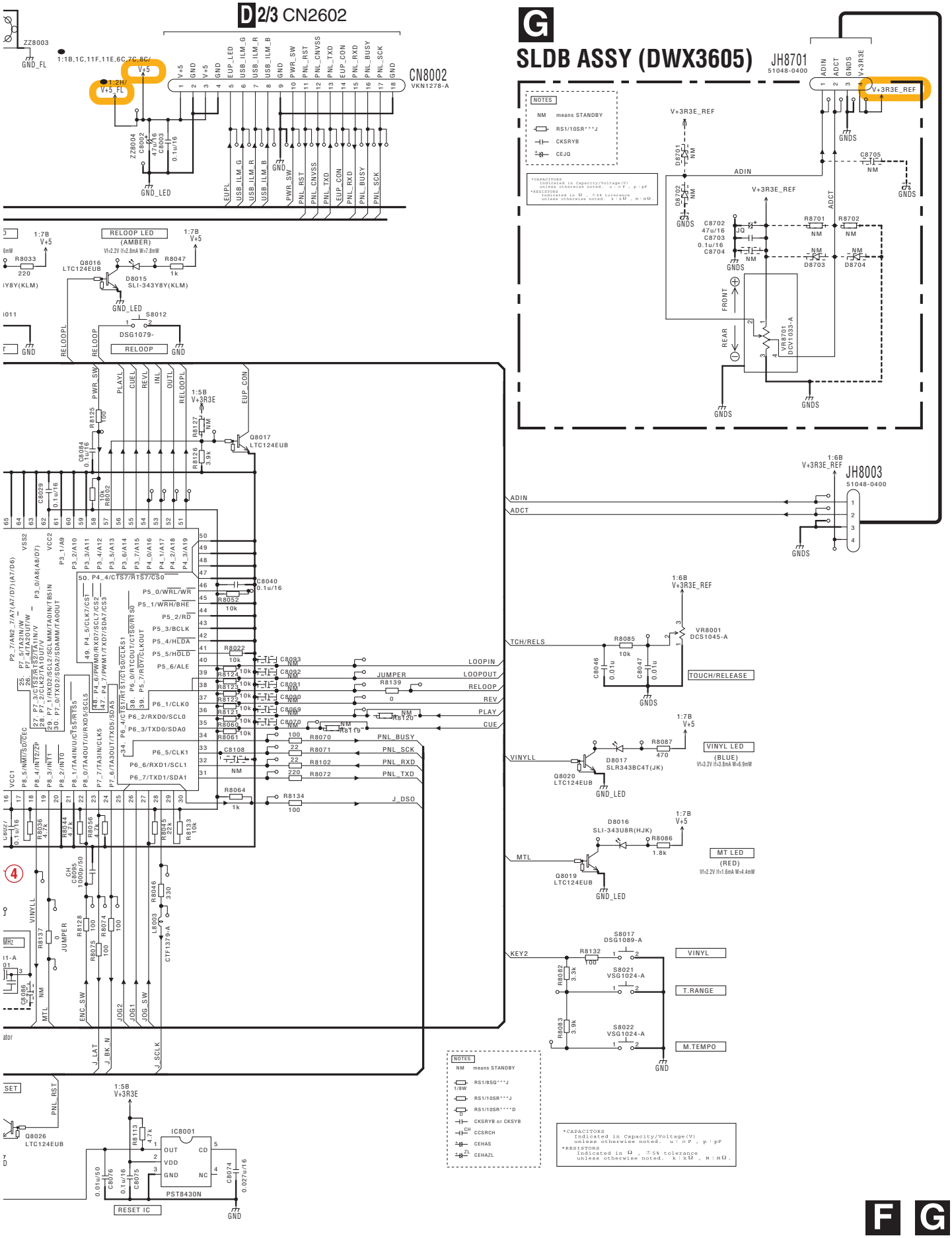
10.11 KSWB ASSY

E KSWB ASSY (DWX3604)

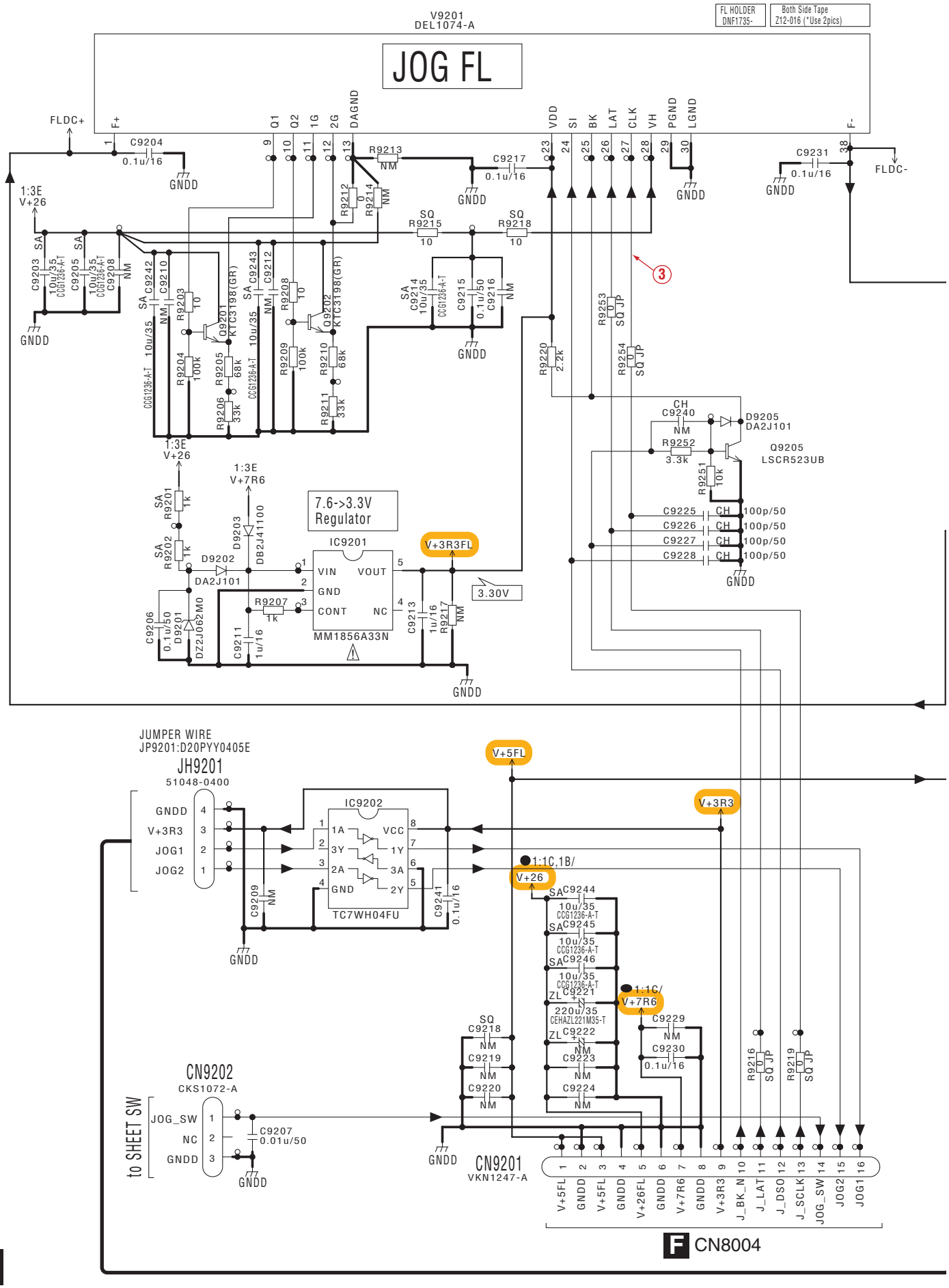


10.12 PNLB and SLDB ASSYS




D 2/3 CN2602
CN8002
VKN1278-A
G
SLDB ASSY (DWX3605)
JH8701
51048-0400
JH8003
51048-0400
NOTES
NM means STANDBY
RS1/10SR***J
CKSRYB
CEJQ
RELOOP LED
(AMBER)
LTC124EUB
SLI-343Y8Y(KLM)
RELOOP
S8012
DSG1079-
VR8001
DCS1045-A
VR8701
DCV1033-A
TOUCH/RELEASE
VINYL LED
(BLUE)
SLR343BC4T(JK)
MT LED
(RED)
SLI-343U8R(HJK)
S8017
DSG1089-A
S8021
VSG1024-A
S8022
VSG1024-A
VINYL
T.RANGE
M.TEMPO
IC8001
PST8430N
RESET IC
CN8002
JUMPER
LOOPIN
LOOPOUT
RELOOP
REV
PLAY
CUE
J_DSO
PNL_BUSY
PNL_SCK
PNL_RXD
PNL_TXD
ADIN
ADCT
FRONT
REAR
GNDS
GND
GND_FL
GND_LED

10.13 JFLB and JOGB ASSYS



H JFLB ASSY (DWX3610)

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

NOTES
NM means STANDBY
RS1/10SR***J
D RS1/10SR****D
SQ RS1/8SQ***J
SA RS1/4SA***J
JP CHIP JUMPER
CKSRYB
CH CCSRCH
SQ C of 2.0mm*1.25mm size
SA C of 3.2mm*1.6mm size
ZL CEHAZL

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF
*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

FL Filament Power

FLDC+ 4.86V FLDC+
FLDC- 2.17V FLDC-

R9221 NM
D9204 NM
C9233 SQ NM
C9234 SQ NM
C9235 2.2u/10 CCG1218+A+T
C9236 2.2u/10 CCG1218+A+T
C9237
C9238 0.1u/16
C9239 0.01u/50
1000p/50 CH
C9232 1u/10
R9222 8.2k D
R9223 3.9k D
R9224 NM
R9225 10
Q9203 LSAR523UB
R9265 NM
Q9204 2SC5712
R9228 SA 7.5
R9233 SA 7.5
R9237 SA 7.5
R9241 SA 7.5
R9246 SA 7.5
R9229 NM
R9230 SA 7.5
R9234 SA NM
R9235 SA 7.5
R9238 SA NM
R9239 SA 7.5
R9242 SA NM
R9243 SA 7.5
R9247 SA NM
R9248 SA 7.5
R9226 NM
R9227 12
R9231 NM
R9232 12
R9236 NM
R9240 12
R9244 NM
R9245 12
R9249 NM
R9250 12
R9255 NM
R9256 12
R9257 NM
R9258 12
R9259 NM
R9260 12
R9261 NM
R9262 12
R9263 NM
R9264 12
GNDD

JOG2 15
JOG1 16

I JOGB ASSY (DWX3611)

Photo Interrupter
for JOG rotation detection

V+3R3
CN9301
52151-0410
JOG2 1
JOG1 2
V+3R3 3
GNDD 4
⑥
⑤
C9301 2.2u/6.3
R9302 100
R9301 100
PC9301
6 BOUT
5 VCC
4 GND
3 AOUT
KE-2K18-15
R9303 82
C9302 0.01u/50
GNDD
Vf=1.6V
If=20.7mA(typ If=20mA)

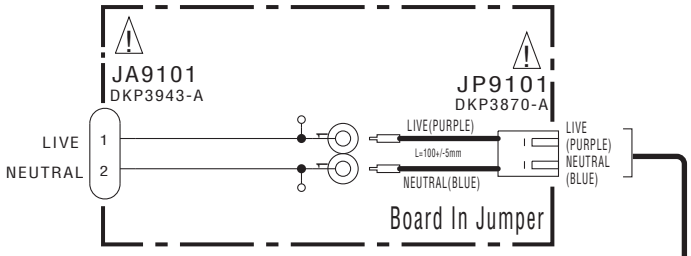
NOTES
RS1/10SR***J
CKSRYB

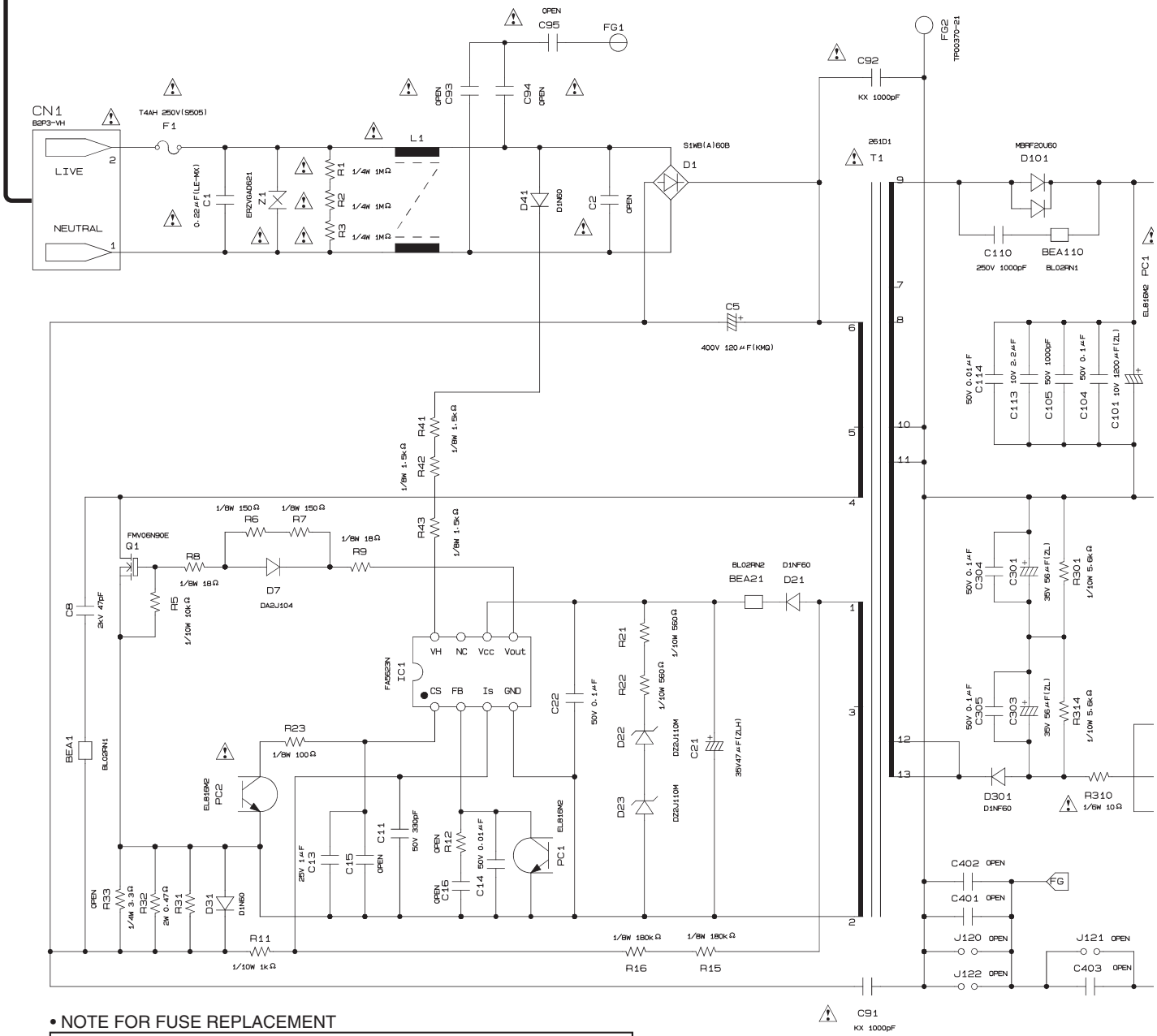
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF
*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

H I

10.14 ACIN ASSY and SW POWER SUPPLY

J ACIN ASSY (DWX3609)

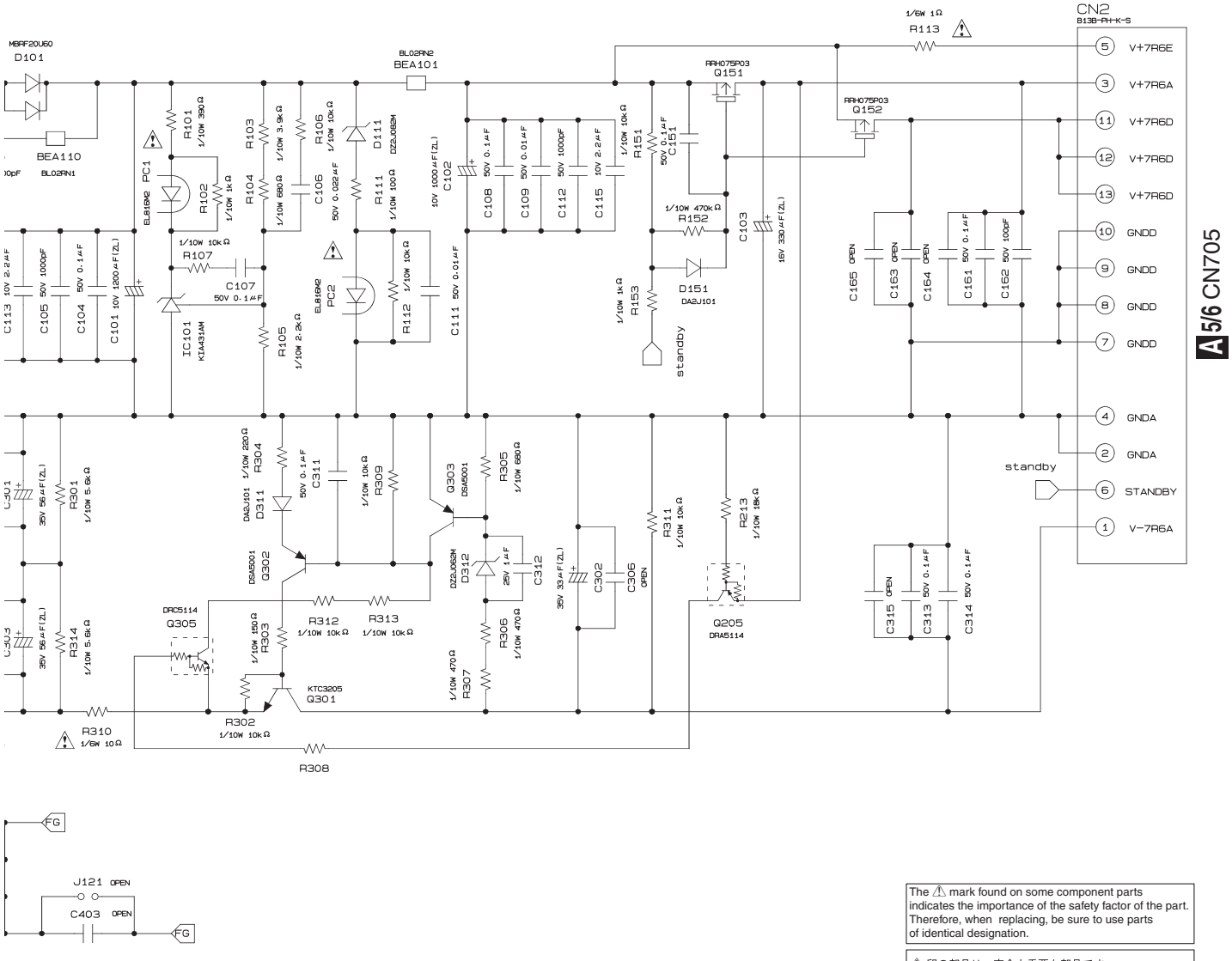




• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

K SW POWER SUPPLY (DWR1545)



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

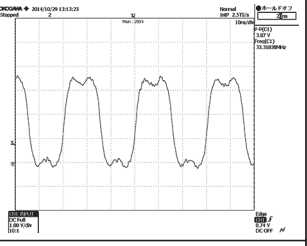
10.15 WAVEFORMS

注意: ◯で囲まれた数字は回路図及びPCB図の各測定ポイントの番号を示します.

NOTE: The encircled numbers denote measuring point in the schematic diagram and PCB diagram.

A MAIN ASSY

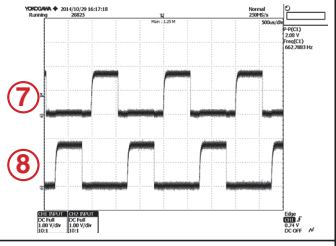
① **IC9 - pin 7 (TP) (SYS_CLK)**
33.333333 MHz
V: 1.0 V/div. H: 10 nsec/div.



F PNLB ASSY

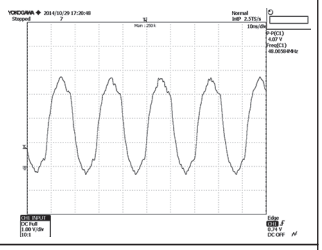
⑦ **IC8003 - pin 94 (TP)(TCP_XIN)**
V: 1.0 V/div. H: 500 µsec/div.

⑧ **IC8003 - pin 95 (TP)(TCP_YIN)**
V: 1.0 V/div. H: 500 µsec/div.



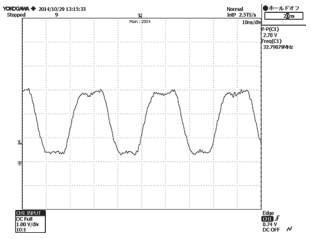
A MAIN ASSY

⑬ **X1 - pin 3 (TP) (USB_CLK)**
V: 1.0 V/div. H: 10 nsec/div.



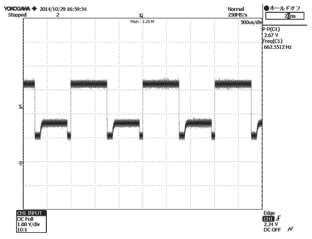
D LCDB ASSY

② **CN2001 - pin 33 (TP) (DCLK)**
V: 1.0 V/div. H: 10 nsec/div.



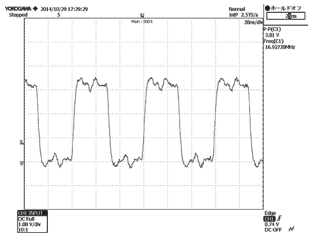
D LCDB ASSY

⑨ **CN2801 - pin 1 (TP)(YT)**
V: 1.0 V/div. H: 500 µsec/div.



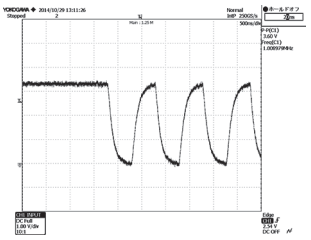
A MAIN ASSY

⑭ **IC506 - pin 7 (DAC_MCLK)**
V: 1.0 V/div. H: 20 nsec/div.



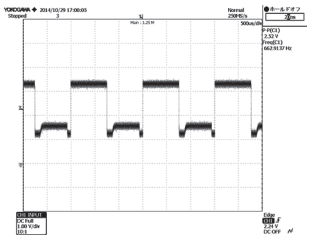
H JFLB ASSY

③ **V9201 - pin 27 (J_SCLK)**
V: 1.0 V/div. H: 500 nsec/div.



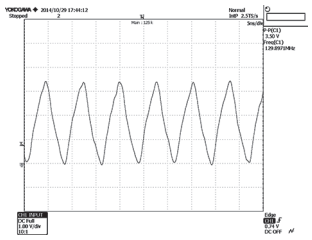
D LCDB ASSY

⑩ **CN2801 - pin 2 (TP)(XR)**
V: 1.0 V/div. H: 500 µsec/div.



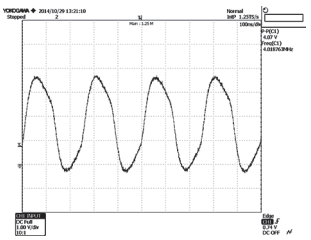
A MAIN ASSY

⑮ **R307 (0 Ω resistor) (DSP_CLK)**
V: 1.0 V/div. H: 2 nsec/div.



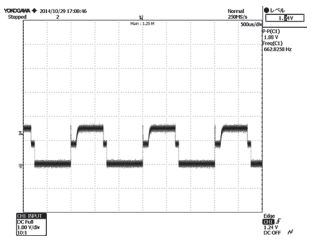
F PNLB ASSY

④ **IC8003 - pin 13 (XOUT)**
V: 1.0 V/div. H: 100 nsec/div.



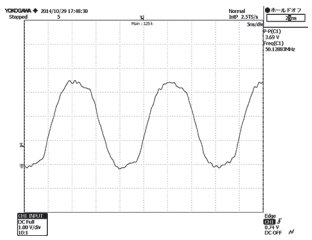
D LCDB ASSY

⑪ **CN2801 - pin 3 (TP)(YB)**
V: 1.0 V/div. H: 500 µsec/div.



A MAIN ASSY

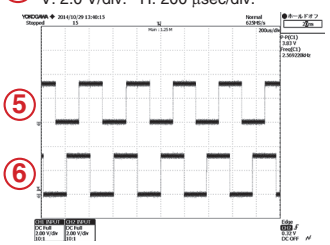
⑯ **IC704 - pin 5 (XTAL1/CLKIN)**
V: 1.0 V/div. H: 5 nsec/div.



I JOGB ASSY

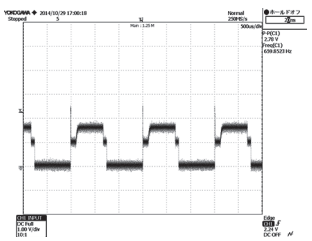
⑤ **CN9301 - pin 2 (TP)(JOG1)**
V: 2.0 V/div. H: 200 µsec/div.

⑥ **CN9301 - pin 1 (TP)(JOG2)**
V: 2.0 V/div. H: 200 µsec/div.



D LCDB ASSY

⑫ **CN2801 - pin 4 (TP)(XL)**
V: 1.0 V/div. H: 500 µsec/div.



12. PCB PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*

● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56 × 10¹ → 561 ····· RD1/4PU 5 6 1 J
47 kΩ → 47 × 10³ → 473 ····· RD1/4PU 4 7 3 J
0.5 Ω → R50 ····· RN2H R 5 0 K
1 Ω → 1R0 ····· RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ → 562 × 10¹ → 5621 ····· RN1/4PC 5 6 2 1 F

Mark	No.	Description	Part No.
		LIST OF ASSEMBLIES	
	1	..MAIN ASSY	DWX3600
	1	..LCDB ASSY	DWX3601
NSP	1	..PNLA ASSY	DWM2546
	2	..PNLB ASSY	DWX3603
	2	..KSWB ASSY	DWX3604
	2	..SLDB ASSY	DWX3605
	2	..ACIN ASSY	DWX3609
NSP	1	..JFLA ASSY	DWM2547
	2	..USBA ASSY	DWX3607
	2	..JFLB ASSY	DWX3610
	2	..JOGB ASSY	DWX3611
	2	..JKSW ASSY	DWX3612
⚠		SW POWER SUPPLY	DWR1545

Mark	No.	Description	Part No.
		A MAIN ASSY	
		SEMICONDUCTORS	
	IC	1,2	K4T1G164QG-BCE7
NSP	IC	3	DYW1860
	IC	5	TC7SZ08FUS1
	IC	6	TC7SH04FUS1
NSP	IC	7	AK8125AV
	IC	9,506	TC7WHU04FK
NSP	IC	10	R8A77240D500BG2
	IC	11	PST8430N
	IC	14	H337S3959
	IC	15	TC7SH08FUS1
	IC	301	D810K013DZKB400
	IC	302	M12L2561616A-5TG2S
	IC	501	TC7SG08FU
⚠	IC	502	NJM2878F3-33
⚠	IC	701	MM3529A18P
⚠	IC	702,705,706	BD9328EFJ
⚠	IC	703	TPS2557DRB
	IC	704	LAN8720A-CP
	IC	707-709	TC74LCX541FK
	IC	901	WM8728SEDS
	IC	902	NJM4580MD
⚠	IC	903	NJM2872BF05

Mark	No.	Description	Part No.
	Q	1	RTQ045N03
	Q	2,703,707,902	LTC024EEB
	Q	701,709,710,901	LSCR523UB
	Q	702,704,708,907	LTA024EEB
	Q	705	RN1903
	Q	706	RTQ040P02
	Q	903,908	LTC024EEB
	Q	904,905	LSCR523UB
	Q	909,910	INC2002AC1
	D	1,501,701	DA2J101
	D	704,710	DZ2J051M0
	D	901-905	DA2J101
		MISCELLANEOUS	
	L	1,2 INDUCTOR	CTF1394
	L	6 CHIP BEEDS FILTER	BTX1047
	L	302,305,721 CHIP BEADS	VTL1128
	L	701 INDUCTOR	CTH1253
	L	703 SMD SPL INDUCTOR	CTH1527
	L	704-708,710-720 CHIP BEADS	VTL1126
	L	709 CHOKE COIL	CTH1487
	L	722,728,729 CHIP BEADS	VTL1126
	L	723-725 FERRITE BEAD	CTF1528
	L	730,731 CHOKE COIL	ATH7098
	L	732,733 COIL	ATH7015
	L	901,902 CHIP SOLID INDUCTOR	XTL3010
	F	2,3,6,702 EMI FILTER	CCG1352
	F	701 EMI FILTER	DTL1106
	JA	701 USB CONNECTOR	DKN1237
	JA	702 RJ45 CONNECTOR	AKN7115
	X	1 CRYSTAL OSCILLATOR (48 MHz)	DSS1213
	X	2 CRYSTAL RESONATOR (33.333333 MHz)	CSS1825
	X	501 OSCILLATOR (16.9344 MHz)	CWX3849
	X	701 CRYSTAL OSCILLATOR (50 MHz)	DSS1209
	CN	701 CONNECTOR	AKM1276
	CN	705 CONNECTOR	AKM1284
	CN	706 FFC/FPC CONNECTOR	CKS6543
	CN	901 12P CONNECTOR	VKN1416
NSP		6201 ID LABEL ASSY	AXW7015- -J
		RESISTORS	
	R	3,20	RS1/16SS82R0F
	R	11,12,18,27	RAB4CQ330J
	R	41,81-88	RAB4CQ220J
	R	99-103,105,107	RAB4CQ220J
	R	104	RS1/16SS4300D
	R	109,111,114,119	RAB4CQ220J

Mark	No.	Description	Part No.
	R	116,117	RS1/16SS5601F
	R	133,301-304,324	RAB4CQ220J
	R	306,740,762,763	RS1/10SR0R0J
	R	326,327,330,331	RAB4CQ221J
	R	328,329,753,807	RAB4CQ220J
	R	702,831,832	RS1/4SA0R0J
	R	709,770	RS1/16SS2702F
	R	723	RS1/10SR104J
	R	725,738,757	RS1/10SR220J
	R	730	RS1/16SS1002D
	R	731	RS1/16SS1501F
	R	732-735	RS1/10SR49R9F
	R	741	RS1/10SR1100D
	R	742	RS1/10SR4702D
	R	743	RS1/10SR1002D
	R	748-750,806	RAB4CQ221J
	R	754,791	RS1/16SS1002F
	R	761	RS1/10SR223J
	R	771	RS1/16SS5602F
	R	773	RS1/10SR472J
	R	774	RS1/10SR331J
	R	780,910,931	RS1/10SR0R0J
	R	787	RS1/10SR102J
	R	789	RS1/16SS3301F
	R	790	RS1/16SS5600F
	R	812,815,816	RAB4CQ220J
	R	834	RS1/10SR182J
	R	924	RS1/10SR103J
	R	932,933	RN1/16SE3902D
	R	934,935	RN1/16SE2200D
	R	936,937,940,941	RN1/16SE2201D
	R	938,939	RN1/16SE3301D
	R	943,944	RN1/16SE2201D
	Other Resistors		RS1/16SS###J
CAPACITORS			
	C	1,2,5,10	CKSSYB104K10
	C	3,6,7,14	CKSSYB102K50
	C	4,8,9	CKSSYB103K16
	C	11-13,30,36	CKSSYB103K16
	C	15,18,20,22	CKSSYB104K10
	C	16,17,19,21	CKSSYB102K50
	C	23,80,81,83	DCH1201
	C	24,31,34,37	CKSSYB102K50
	C	25-29,32,33	CKSSYB104K10
	C	35,38,40-42	CKSSYB104K10
	C	39,46,51,55	CKSSYB102K50
	C	43,49,52,54	CKSSYB103K16
	C	44,45,47,48	CKSSYB104K10
	C	50,53,56-62	CKSSYB104K10
	C	63,71,72,144	CKSSYB102K50
	C	64-69,74-79	CKSSYB104K10
	C	70,73,143,147	CKSSYB103K16
	C	82,84,86,93	CKSSYB104K10
	C	85,87-92	CCSSCH102J50
	C	94,106,110-114	DCH1201
	C	97,98	CCSSCH9R0D50
	C	99-101,103-105	CKSSYB104K10
	C	107,716,802	CKSRYB105K10
	C	108,339	CEHVAW221M6R3
	C	115,124-126,133	CKSSYB104K10
	C	117,755	CKSSYB223K16
	C	118-123,127-129	CCSSCH102J50
	C	130,140,338,340	DCH1201
	C	131,132,502,508	CCSSCH102J50
	C	134	CKSSYB222K50
	C	135,734,735	CKSRYB104K50
	C	136-138,141,142	CKSSYB104K10
	C	145,148-151,153	CKSSYB104K10
	C	146,167,168	CKSSYB102K50
	C	152,701,805,806	CCSSCH220J50
	C	157-159,165,166	CKSSYB104K10
	C	301-316,343	CKSSYB103K16
	C	319,324,342,511	CKSSYB104K10
	C	325-337	CKSSYB102K50
	C	344,509,513,515	CCSSCH101J50
	C	345-349,352,353	CKSSYB103K16
	C	501,506,910	CKSSYB104K16
	C	503	CKSRYB474K10
	C	504,736,949	CKSRYB103K50
	C	507,752,753,763	CKSSYB103K16
	C	512,514,750,775	CCSSCH102J50
	C	547,556,706,710	CKSSYB104K10
	C	702,719,737,773	CCG1221
	C	703,712	CCSSCH221J50
	C	707	CKSSYB333K16
	C	708,709,768,915	ACG1142
	C	713-715,718,722	CKSSYB104K10
	C	717	CKSSYB471K50
	C	720	CKSQYB475K6R3
	C	721	CKSRYB225K6R3
	C	727	CKSRYB223K50
	C	728	CKSRYB104K16
	C	729,730,740,756	DCH1201
	C	731,732,742-745	CKSSYB104K10
	C	733,913,917,918	CCSRCH102J50
	C	739,749,762,767	CCH1565
	C	746,747	CFHXSP104J16
	C	748,759	DCH1341
	C	758,764,765,905	DCH1201
	C	760,761,777,790	CKSSYB104K10
	C	766	CEHVAW101M6R3
	C	769-772,912,914	CKSRYB104K50
	C	774,785	CCG1221
	C	778-780,901,908	CKSSYB103K16
	C	781,947,952	CCSSCH102J50
	C	783	CKSSYB183K16
	C	784,904,951	CCSSCH101J50
	C	788,791,903,907	CCH1565
	C	792,793,944	CCSRCH101J50
	C	796,797,906	CFHXSQ472J16
	C	798-801	CKSSYB104K10
	C	807,808	CCSRCK2R0C50
	C	815	CCH2090
	C	902,911	CEHVAW470M16
	C	909	DCH1201
	C	916	ACG1142
	C	921,922	CEHVAW101M16
	C	925,926	CCSRCH681J50
	C	927,928	CCSRCH561J50

Mark	No.	Description	Part No.
	C	929,932	CCH1565
	C	936,938,939,943	CFHXSQ103J16
	C	940	CKSRYB105K16
	C	942	CKSRYB104K50

B USBA ASSY

MISCELLANEOUS

	JA	8801 USB JACK	DKN1658
	CN	8801 L-PLUG (5P)	KM200NA5L

CAPACITORS

	C	8802	CCSRCH4R0C50

C JKSW ASSY

SEMICONDUCTORS

	Q	9401-9404	INC2002AC1
	D	9405,9406,9408	DZ2J062M0
	D	9411	DA2J101
	D	9410	DB2J41100

MISCELLANEOUS

	JA	9401 RCA JACK/2P	DKB1114
	JA	9402 JACK	VKB1243
	S	9451 PUSH SW	ASG1102
	CN	9401 12P CONNECTOR	VKN1272

RESISTORS

	R	9401	RS1/4SA182J
		Other Resistors	RS1/10SR###J

CAPACITORS

	C	9402,9420	CCSRCH102J50
	C	9405,9406	CCH1357
	C	9407,9415	CKSRYB103K50
	C	9408,9416	CKSRYB104K50
	C	9410,9411	DCE1017
	C	9421,9422	CEAT221M10

D LCDB ASSY

SEMICONDUCTORS

⚠	IC	2001	R1290K103A
⚠	IC	2002	BD81A04EFV-M
⚠	IC	2601	BD9328EFJ
⚠	IC	2602	MM1856A33N
⚠	IC	2603	NJM2392M
	Q	2001	2SAR502UB
	Q	2002,2609	LTA024EEB
	Q	2005,2801,2805	LTC024EEB
	Q	2601,2604,2605	LSAR523UB
	Q	2602,2606,2608	LSCR523UB
	Q	2603,2607	LTC014YEB
	Q	2802,2806	LTA023JEB
	Q	2803,2807	LTC023JEB
	D	2001-2003	DB3S308F0
	D	2004	DB2J41100
	D	2005	RB060M-30
	D	2602	RB162M-40
	D	2605,2606	SMLVN6RGB2UK
	D	2611	SML-D12U8W
	D	2805,2806,2808-2811	DA2J101
	D	2813,2814	DA2J101

MISCELLANEOUS

	L	2001,2033,2034 FERRITE BEAD	CTF1528
	L	2005 INDUCTOR	CTF1545
	L	2006 POWER INDUCTOR	ATH7068
	L	2007 CHOKE COIL	CTH1426
	L	2008 INDUCTOR	CTF1635
	L	2009,2010 CHIP INDUCTOR(10U)	DTL1105
	L	2011 CHIP BEEDS FILTER	BTX1042
	L	2012 INDUCTOR	LCTAW101J2520
	L	2036 FERRITE BEAD	CTF1528
	L	2601 INDUCTOR	CTH1253
	L	2603 CHOKE COIL	CTH1209
	S	2606,2608,2613 TACT SWITCH	DSG1134
	S	2612 ENCODER SW	DSX1080
	CN	2001 FFC/FPC CONNECTOR	CKS6646
	CN	2003 CONNECTOR	CKS4428
	CN	2004 FFC/FPC CONNECTOR	CKS6543
	CN	2601,2602 18P CONNECTOR	VKN1422
	CN	2801 FFC/FPC CONNECTOR	CKS6625

RESISTORS

	R	2001,2002	RS1/16SS1300D
	R	2008	RS1/16SS3603D
	R	2009	RS1/16SS6802D
	R	2010	RS1/16SS3901D
	R	2014	RS1/16SS5100F
	R	2018	RS1/16SS3302D
	R	2020	RS1/16SS2202D
	R	2021	RS1/16SS1103D
	R	2022	RS1/16SS1002D
	R	2024,2027	RS1/16SS1502D
	R	2026	RS1/16SS8201D
	R	2032	RS1/16SS1203D
	R	2033	RS1/16SS1602D
	R	2034	RS1/10SR0R0J
	R	2035	RS1/16SS3303D
	R	2036	RS1/16SS5601D
	R	2037	RS1/16SS3902D
	R	2039,2052,2073	RS1/16SS39R0D
	R	2041,2055	RS1/16SS47R0D
	R	2045,2053	RS1/16SS75R0F
	R	2051	RS1/16SS51R0D
	R	2054,2058	RS1/16SS82R0D
	R	2056	RS1/16SS56R0D
	R	2057	RS1/16SS1800D
	R	2602	RS1/10SR220J
	R	2604	RS1/10SR6801D
	R	2605	RS1/10SR3902D
	R	2606	RS1/10SR1002D
	R	2607	RS1/10SR683J
	R	2609,2625	RS1/10SR472J
	R	2612	RS1/4SA0R0J
	R	2614,2620-2622	RS1/4SA2R7J
	R	2616	RS1/10SR2702D
	R	2617	RS1/10SR1501D
	R	2619	RS1/10SR2701D
	R	2624,2821,2822	RS1/8SQ0R0J

Mark	No.	Description	Part No.
	R	2626	RS1/10SR681J
	R	2629-2632,2641	RS1/4SA2R7J
	R	2633,2634,2636,2638	RS1/10SR122J
	R	2639,2640	RS1/10SR821J
	R	2690	RS1/10SR391J
		Other Resistors	RS1/16SS###J
	CAPACITORS		
	C	2001,2012,2021,2025	CCG1254
	C	2002	CKSRYB224K16
	C	2004,2024,2039,2065	CKSSYB102K50
	C	2005	CKSRYB105K16
	C	2006,2018,2094,2657	CKSSYB105K6R3
	C	2007,2010	CKSQYB105K25
	C	2008,2011,2046-2048	CKSSYB104K10
	C	2014,2078,2089,2605	CKSRYB104K50
	C	2015,2016	CKSQYB474K25
	C	2017,2032,2041-2043	CKSSYB104K16
	C	2020	CKSSYB224K6R3
	C	2022,2040	CKSYB475K16
	C	2023	CCG1218
	C	2026	CKSQYB475K6R3
	C	2027,2030	CKSSYB332K50
	C	2028	CKSSYB561K50
	C	2029,2648,2666-2668	CKSSYB103K16
	C	2031,2033,2035	CCG1254
	C	2034,2036,2070,2086	CCG1236
	C	2044,2045	CKSRYB105K10
	C	2049	DCH1246
	C	2062,2075,2076,2091	CKSSYB104K16
	C	2066	CKSQYB225K16
	C	2067	CKSSYB103K25
	C	2071	CCG1201
	C	2073	CCG1234
	C	2074	CKSQYB334K50
	C	2077,2647,2650	CKSSYB104K10
	C	2081,2083,2085,2087	CKSSYB102K50
	C	2088,2612,2620	CCH1565
	C	2092,2601,2602,2608	CCG1221
	C	2093,2603,2627	CKSRYB104K16
	C	2604	CCSRCH102J50
	C	2606,2633	CKSRYB104K50
	C	2607	CKSRYB222K50
	C	2626	DCH1201
	C	2628,2632	CCSSCH102J50
	C	2629	CCSSCH101J50
	C	2630	CCSSCH151J50
	C	2634,2656	CCG1236
	C	2636,2652-2654	CCH2039
	C	2643,2644	CKSYB105K16
	C	2649,2659	CKSSYB104K16
	C	2660,2661	CCH2090
	C	2662-2665	ACG1142
	C	2809,2810	CKSSYB102K50

E KSWB ASSY

Mark	No.	Description	Part No.
	SEMICONDUCTORS		
	Q	8501,8504	LTC123JUB
	D	8501,8502	SLI-343Y8Y
	D	8503,8504	SLI-343M8G
	MISCELLANEOUS		
	S	8501,8502 TACT SWITCH	DSG1117
	S	8504-8507 SWITCH	VSG1024
	CN	8501 7P JUMPER CONNECTOR	52147-0710
	RESISTORS		
	R	8505	RS1/8SQ0R0J
		Other Resistors	RS1/10SR###J

F PNLB ASSY

Mark	No.	Description	Part No.
	SEMICONDUCTORS		
	IC	8001	PST8430N
	IC	8003	DYW1851
	Q	8004,8016,8017,8019	LTC124EUB
	Q	8013,8014	LTC114YUB
	Q	8020,8026-8028	LTC124EUB
	D	8003,8016	SLI-343U8R
	D	8012,8013,8015	SLI-343Y8Y
	D	8017	SLR343BC4T
	MISCELLANEOUS		
	L	8003 INDUCTOR	CTF1379
	VR	8001 VARIABLE RESISTOR	DCS1045
	S	8008,8010-8012 TACT SWITCH	DSG1079
	S	8017 TACT SWITCH	DSG1089
	S	80,218,022 SWITCH	VSG1024
	X	8001 CERAMIC RESONATOR (4 MHz)	DSS1131
	CN	8001,8002 18P CONNECTOR	VKN1278
	CN	8004 16P CONNECTOR	VKN1276
	JH	8003,8701 4P CABLE HOLDER	51048-0400
	JH	8004 7P CABLE HOLDER	51048-0700
	JP	8002 JUMPER WIRE	D20PDY0720E
	JP	8003 4PJUMPER WIRE	D20PDD0410E
	RESISTORS		
	R	8114	RS1/8SQ105J
		Other Resistors	RS1/10SR###J
	CAPACITORS		
	C	8002,8035	CEHAS470M16
	C	8003,8005,8013,8019	CKSRYB104K16
	C	8027,8029,8036,8040	CKSRYB104K16
	C	8075,8084	CKSRYB104K16
	C	8006-8008,8010,8017	CCSRCH102J50
	C	8018,8095,8106,8107	CCSRCH102J50
	C	8009,8046,8047,8057	CKSRYB103K50
	C	8058,8076,8089,8098	CKSRYB103K50
	C	8011,8012	CKSRYB474K10
	C	8014	CEHAS101M10
	C	8060	CCSRCH121J50
	C	8074	CKSRYB273K16

G SLDB ASSY

Mark	No.	Description	Part No.
	MISCELLANEOUS		
	VR	8701 SLIDE VR	DCV1033
	JH	8701 4P CABLE HOLDER	51048-0400
	CAPACITORS		
	C	8702	CEJQ470M16

Mark	No.	Description	Part No.
	C	8703	CKSRYB104K16

H JFLB ASSY

SEMICONDUCTORS

	IC	9201	MM1856A33N
	IC	9202	TC7WH04FU
	Q	9201,9202	KTC3198
	Q	9203	LSAR523UB
	Q	9204	2SC5712
	Q	9205	LSCR523UB
	D	9201	DZ2J062M0
	D	9202,9205	DA2J101
	D	9203	DB2J41100

MISCELLANEOUS

	V	9201 VFD	DEL1074
	CN	9201 16P CONNECTOR	VKN1247
	CN	9202 CONNECTOR	CKS1072
	JH	9201 4P CABLE HOLDER	51048-0400
	JP	9201 JUMPER WIRE	D20PYY0405E

RESISTORS

	R	9201,9202	RS1/4SA102J
	R	9215,9218	RS1/8SQ100J
	R	9216,9219,9253,9254	RS1/8SQ0R0J
	R	9222	RS1/10SR8201D
	R	9223	RS1/10SR3901D
	R	9228,9230,9233,9235	RS1/4SA7R5J
	R	9237,9239,9241,9243	RS1/4SA7R5J
	R	9246,9248	RS1/4SA7R5J
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	9203,9205,9214	CCG1236
	C	9204,9217,9230,9231	CKSRYB104K16
	C	9206,9215	CKSRYB104K50
	C	9207,9238	CKSRYB103K50
	C	9211,9213	CKSRYB105K16
	C	9221	CEHAZL221M35
	C	9225-9228	CCSRCH101J50
	C	9232	CKSRYB105K10
	C	9235,9236	CCG1218
	C	9237,9241	CKSRYB104K16
	C	9239	CCSRCH102J50
	C	9242-9246	CCG1236

I JOGB ASSY

MISCELLANEOUS

	CN	9301 4PJUMPER CONNECTOR	52151-0410
	PC	9301 PHOTO INTERRUPTER	KE-2K18-15

RESISTORS

	R	9301,9302	RS1/10SR101J
	R	9303	RS1/10SR820J

CAPACITORS

	C	9301	CKSRYB225K6R3
	C	9302	CKSRYB103K50

Mark	No.	Description	Part No.

J ACIN ASSY

MISCELLANEOUS

⚠	JA	9101 AC INLET/2P	DKP3943
⚠	JP	9101 CONNECTOR ASSY 2P	DKP3870

K SW POWER SUPPLY

There is no service parts.